



# STIC Search Report

## Biotech-Chem Library

STIC Database Tracking Number: 171896

TO: Nita M Minnifield  
Location: rem/3C01/3C18  
Art Unit: 1645  
Tuesday, November 29, 2005

Case Serial Number: 10/774602

From: Mary Jane Ruhl  
Location: Biotech-Chem Library  
Remsen 1-A-62  
Phone: 571-272-2524

maryjane.ruhl@uspto.gov

### Search Notes

Examiner Minnifield,

Here are the results for your recent search request.

Please feel free to contact me if you have any questions about these results.

Thank you for using STIC services. We appreciate the opportunity to serve you.

Sincerely,

Mary Jane Ruhl  
Technical Information Specialist  
STIC  
Remsen 1-A-62  
Ext. 22524

*Reviewed  
12/05  
MM*

This page is not for sale

STIC-Biotech/ChemLib

171890

mg

From: Minnifield, Nita  
Sent: Thursday, November 17, 2005 11:48 AM  
To: STIC-Biotech/ChemLib  
Subject: interference search request

RECEIVED  
NOV 17 2005  
STIC/CHERL DIVISION  
(STIC)

10/774602

STIC

Please do an interference sequence search on SEQ ID  
NO:11-14 of this application.

Please provide a paper copy of all results.

Thanks,  
Minnifield  
71976  
Art Unit 1645  
Office REM-3C01  
Mailbox REM-3C18  
571-272-0860

\*\*\*\*\*

Searcher: \_\_\_\_\_  
Searcher Phone: \_\_\_\_\_  
Date Searcher Picked up: \_\_\_\_\_  
Date completed: \_\_\_\_\_  
Searcher Prep Time: \_\_\_\_\_  
Online Time: \_\_\_\_\_

\*\*\*\*\*

Type of Search  
NA# \_\_\_\_\_ AA# \_\_\_\_\_  
S/L: \_\_\_\_\_ Oligomer: \_\_\_\_\_  
Encode/Transl: \_\_\_\_\_  
Structure #: \_\_\_\_\_ Text: \_\_\_\_\_  
Inventor: \_\_\_\_\_ Litigation: \_\_\_\_\_

\*\*\*\*\*

Vendors and cost where applicable  
STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
QUESTEL/ORBIT: \_\_\_\_\_  
LEXIS/NEXIS: \_\_\_\_\_  
SEQUENCE SYSTEM: \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other (Specify): \_\_\_\_\_

The Egg Bank (uspto)  
(04den) 2007 0601 0111

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: November 22, 2005, 20:24:59 ; Search time 2.71074 Seconds  
(without alignments)  
17.088 Million cell updates/sec

Title: US-10-774-602-14

Perfect score: 204

Sequence: 1 MSLHYVSKDKENISKEND.....VLDEKEEAETEEELSEK 41

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 8323 seqs, 1129788 residues

Total number of hits satisfying chosen parameters: 8323

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA New.\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pap.\*
- 2: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pap.\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pap.\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pap.\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pap.\*
- 6: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pap.\*
- 7: /cgn2\_6/ptodata/1/pubpaa/US11\_NEW\_PUB.pap.\*
- 8: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pap.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	65	31.9	642	1	US-10-131-826A-370
2	62	30.4	349	1	US-10-131-826A-424
3	61	29.9	389	7	US-11-074-176-324
4	61	29.9	406	7	US-11-074-176-324
5	58	28.4	770	1	US-10-982-545-15
6	58	28.4	770	1	US-10-789-273-38
7	57	27.9	631	1	US-10-131-826A-16
8	56	27.5	314	1	US-10-689-742-116
9	55	27.0	227	1	US-10-510-386-50
10	55	27.0	605	1	US-10-131-826A-160
11	54	26.5	303	1	US-10-467-962B-16
12	54	26.5	303	1	US-10-467-962B-45
13	53.5	26.2	431	7	US-11-074-176-132
14	53.5	26.2	1618	1	US-10-984-645-2
15	52.5	25.7	140	1	US-10-689-742-8
16	52	25.5	543	1	US-10-689-742-78
17	52	25.5	692	7	US-11-038-284-33
18	52	25.5	873	7	US-11-038-284-35
19	52	25.5	889	7	US-11-038-284-15
20	52	25.5	912	7	US-11-077-550-116
21	51.5	25.2	648	1	US-10-501-039-6
22	51	25.0	120	1	US-10-689-742-190
23	51	25.0	317	7	US-11-082-389-28
24	51	25.0	472	1	US-10-689-742-68
25	50.5	24.8	400	1	US-10-689-742-74

26	49.5	24.3	363	7	US-11-074-176-296	Sequence 296, App
27	49.5	24.3	616	1	US-10-982-545-5	Sequence 5, Appli
28	49	24.0	161	1	US-10-510-386-164	Sequence 164, App
29	49	24.0	709	7	US-11-074-176-158	Sequence 158, App
30	49	24.0	865	1	US-10-467-962B-33	Sequence 33, Appl
31	48	23.5	41	1	US-10-986-501-311	Sequence 311, App
32	48	23.5	257	1	US-10-467-962B-73	Sequence 73, Appl
33	48	23.5	747	7	US-11-182-592-2	Sequence 2, Appli
34	48	23.5	778	1	US-10-467-962B-18	Sequence 18, Appl
35	47	23.0	280	1	US-10-967-457-75	Sequence 75, Appl
36	47	23.0	406	1	US-10-131-826A-502	Sequence 502, App
37	47	23.0	436	1	US-10-131-826A-404	Sequence 404, App
38	46.5	22.8	163	1	US-10-689-742-42	Sequence 42, Appl
39	46.5	22.8	221	1	US-10-510-386-210	Sequence 210, App
40	46.5	22.8	240	1	US-10-689-742-210	Sequence 210, App
41	46.5	22.8	677	1	US-10-982-545-12	Sequence 12, Appl
42	46	22.5	280	1	US-10-467-962B-8	Sequence 8, Appli
43	46	22.5	847	7	US-11-038-284-42	Sequence 42, Appl
44	45.5	22.3	227	1	US-10-986-501-136	Sequence 136, App
45	45.5	22.3	429	1	US-10-131-826A-94	Sequence 94, Appl

ALIGNMENTS

RESULT 1

- US-10-131-826A-370
- Sequence 370, Application US/10131826A
- Publication No. US20050245730A1
- GENERAL INFORMATION:
- APPLICANT: Baker, Kevin P.
- APPLICANT: Beresini, Maureen
- APPLICANT: DeForge, Laura
- APPLICANT: Desnoyers, Luc
- APPLICANT: Filvaroff, Ellen
- APPLICANT: Gao, Wei-Qiang
- APPLICANT: Gerritsen, Mary E.
- APPLICANT: Goddard, Audrey
- APPLICANT: Godowski, Paul J.
- APPLICANT: Gurney, Austin L.
- APPLICANT: Sherwood, Steven
- APPLICANT: Smith, Victoria
- APPLICANT: Stewart, Timothy A.
- APPLICANT: Tumas, Daniel
- APPLICANT: Watanabe, Colin K
- APPLICANT: Wood, William
- APPLICANT: Zhang, Zemin
- TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
- TITLE OF INVENTION: ACIDS ENCODING THE SAME
- FILE REFERENCE: P3330R1C128
- CURRENT APPLICATION NUMBER: US/10/131,826A
- CURRENT FILING DATE: 2002-04-24
- PRIOR APPLICATION NUMBER: 60/049911
- PRIOR FILING DATE: 1997-06-19
- PRIOR APPLICATION NUMBER: 60/056974
- PRIOR FILING DATE: 1997-08-26
- PRIOR APPLICATION NUMBER: 60/059113
- PRIOR FILING DATE: 1997-09-17
- PRIOR APPLICATION NUMBER: 60/059115
- PRIOR FILING DATE: 1997-09-17
- PRIOR APPLICATION NUMBER: 60/059117
- PRIOR FILING DATE: 1997-09-17
- PRIOR APPLICATION NUMBER: 60/059122
- PRIOR FILING DATE: 1997-09-17
- PRIOR APPLICATION NUMBER: 60/059184
- PRIOR FILING DATE: 1997-09-17
- PRIOR APPLICATION NUMBER: 60/059263
- PRIOR FILING DATE: 1997-09-18
- PRIOR APPLICATION NUMBER: 60/059352
- PRIOR FILING DATE: 1997-09-19
- PRIOR APPLICATION NUMBER: 60/059588
- PRIOR FILING DATE: 1997-09-19
- Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 550  
 ; SEQ ID NO 370  
 ; LENGTH: 642  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-131-826A-370

Query Match 31.9%; Score 65; DB 1; Length 642;  
 Best Local Similarity 45.0%; Pred. No. 0.28;  
 Matches 18; Conservative 5; Mismatches 13; Indels 4; Gaps 1;

QY 2 LSHLYV----SSKDKENISKNDVLDKEKEAEETEEEEE 37  
 Db 600 LKHQLVDIEGNLFQDISKGRGLGKKEEEEEEEEEE 639

RESULT 2  
 US-10-131-826A-424  
 ; Sequence 424, Application US/10131826A  
 ; Publication No. US20050245730A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Beresini, Maureen  
 ; APPLICANT: DeForge, Laura  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Filvaroff, Ellen  
 ; APPLICANT: Gao, Wei-Qiang  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Sherwood, Steven  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Watanabe, Colin K  
 ; APPLICANT: Wood, William  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3330R1C128  
 ; CURRENT APPLICATION NUMBER: US/10/131,826A  
 ; CURRENT FILING DATE: 2002-04-24  
 ; PRIOR APPLICATION NUMBER: 60/049911  
 ; PRIOR FILING DATE: 1997-06-18  
 ; PRIOR APPLICATION NUMBER: 60/056974  
 ; PRIOR FILING DATE: 1997-08-26  
 ; PRIOR APPLICATION NUMBER: 60/059113  
 ; PRIOR FILING DATE: 1997-09-17  
 ; PRIOR APPLICATION NUMBER: 60/059115  
 ; PRIOR FILING DATE: 1997-09-17  
 ; PRIOR APPLICATION NUMBER: 60/059117  
 ; PRIOR FILING DATE: 1997-09-17  
 ; PRIOR APPLICATION NUMBER: 60/059122  
 ; PRIOR FILING DATE: 1997-09-17  
 ; PRIOR APPLICATION NUMBER: 60/059184  
 ; PRIOR FILING DATE: 1997-09-17  
 ; PRIOR APPLICATION NUMBER: 60/059263  
 ; PRIOR FILING DATE: 1997-09-18  
 ; PRIOR APPLICATION NUMBER: 60/059352  
 ; PRIOR FILING DATE: 1997-09-19  
 ; PRIOR APPLICATION NUMBER: 60/059588  
 ; PRIOR FILING DATE: 1997-09-19  
 ; Remaining Prior Application data removed - See File Wrapper or PALM.  
 ; NUMBER OF SEQ ID NOS: 550  
 ; SEQ ID NO 424  
 ; LENGTH: 349  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-131-826A-424

Query Match 30.4%; Score 62; DB 1; Length 349;  
 Best Local Similarity 34.4%; Pred. No. 0.29;

QY 364 FYDEKSTDSVSKEDTSSDSSVSTESTADVTTTEKSED 402  
 Db 600 LKHQLVDIEGNLFQDISKGRGLGKKEEEEEEEEEE 639

RESULT 3  
 US-11-074-176-324  
 ; Sequence 324, Application US/11074176  
 ; Publication No. US20050250135A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Klaenhammer, Todd R.  
 ; APPLICANT: Russell, William M.  
 ; APPLICANT: Altermann, Eric  
 ; APPLICANT: McAuliffe, Olivia  
 ; APPLICANT: Peril, Andrea Azcarate  
 ; TITLE OF INVENTION: Nucleic Acid Sequences Encoding  
 ; FILE REFERENCE: 5051-694  
 ; CURRENT APPLICATION NUMBER: US/11/074,176  
 ; CURRENT FILING DATE: 2005-03-07  
 ; PRIOR APPLICATION NUMBER: 60/551,161  
 ; PRIOR FILING DATE: 2004-03-08  
 ; NUMBER OF SEQ ID NOS: 381  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 324  
 ; LENGTH: 389  
 ; TYPE: PRT  
 ; ORGANISM: Lactobacillus acidophilus  
 US-11-074-176-324

Query Match 29.9%; Score 61; DB 7; Length 389;  
 Best Local Similarity 33.3%; Pred. No. 0.43;  
 Matches 13; Conservative 11; Mismatches 11; Indels 4; Gaps 1;

QY 6 YVSSDKKENISKE----NDDVLDKEKEAEETEEEEE 40  
 Db 347 FYDEKSTDSVSKEDTSSDSSVSTESTADVTTTEKSED 385

RESULT 4  
 US-11-074-176-92  
 ; Sequence 92, Application US/11074176  
 ; Publication No. US20050250135A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Klaenhammer, Todd R.  
 ; APPLICANT: Russell, William M.  
 ; APPLICANT: Altermann, Eric  
 ; APPLICANT: McAuliffe, Olivia  
 ; APPLICANT: Peril, Andrea Azcarate  
 ; TITLE OF INVENTION: Nucleic Acid Sequences Encoding  
 ; FILE REFERENCE: 5051-694  
 ; CURRENT APPLICATION NUMBER: US/11/074,176  
 ; CURRENT FILING DATE: 2005-03-07  
 ; PRIOR APPLICATION NUMBER: 60/551,161  
 ; PRIOR FILING DATE: 2004-03-08  
 ; NUMBER OF SEQ ID NOS: 381  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 92  
 ; LENGTH: 406  
 ; TYPE: PRT  
 ; ORGANISM: Lactobacillus acidophilus  
 US-11-074-176-92

Query Match 29.9%; Score 61; DB 7; Length 406;  
 Best Local Similarity 33.3%; Pred. No. 0.46;  
 Matches 13; Conservative 11; Mismatches 11; Indels 4; Gaps 1;

QY 6 YVSSDKKENISKE----NDDVLDKEKEAEETEEEEE 40  
 Db 364 FYDEKSTDSVSKEDTSSDSSVSTESTADVTTTEKSED 402

```
RESULT 5
US-10-982-545-15
; Sequence 15, Application US/10982545
; Publication No. US20050244890A1
; GENERAL INFORMATION:
; APPLICANT: Davies, Huw Alun
; APPLICANT: McGuire, James
; APPLICANT: Simonsen, Anja Hviid
; APPLICANT: Blennow, Kaj
; APPLICANT: Podust, Vladimir
; APPLICANT: Ciplergen Biosystems, Inc.
; TITLE OF INVENTION: Biomarkers for Alzheimer's Disease
; FILE REFERENCE: 016866-011550US
; CURRENT APPLICATION NUMBER: US/10/982,545
; CURRENT FILING DATE: 2004-11-06
; PRIOR FILING DATE: 2003-11-07
; PRIOR APPLICATION NUMBER: US 60/518,360
; PRIOR FILING DATE: 2003-11-07
; PRIOR APPLICATION NUMBER: US 60/526,753
; PRIOR FILING DATE: 2003-12-02
; PRIOR APPLICATION NUMBER: US 60/546,423
; PRIOR FILING DATE: 2004-02-19
; PRIOR APPLICATION NUMBER: US 60/547,250
; PRIOR FILING DATE: 2004-02-23
; PRIOR APPLICATION NUMBER: US 60/558,896
; PRIOR FILING DATE: 2004-04-02
; PRIOR APPLICATION NUMBER: US 60/572,617
; PRIOR FILING DATE: 2004-05-18
; PRIOR APPLICATION NUMBER: US 60/586,503
; PRIOR FILING DATE: 2004-07-08
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 770
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Amyloid beta A4 precursor (APP, ABPP), isoform a, protease
; OTHER INFORMATION: nexin II (PN-II), cerebral vascular amyloid peptide (CVAP),
; OTHER INFORMATION: amyloid-beta protein, beta-amyloid peptide, A4 amyloid protein,
; OTHER INFORMATION: Alzheimer's disease amyloid protein
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: (1)..(17)
; OTHER INFORMATION: signal peptide
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(40)
; OTHER INFORMATION: soluble APP-alpha
; FEATURE:
; LOCATION: (18)..(687)
; OTHER INFORMATION: biomarker peptide 4320 Da (IMAC-N1), A-beta 1-40
; OTHER INFORMATION: peptide fragment of Amyloid beta A4 precursor
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (18)..(671)
; OTHER INFORMATION: soluble APP-beta
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (672)..(770)
; OTHER INFORMATION: C99
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (672)..(713)
; OTHER INFORMATION: beta-amyloid protein 42
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (672)..(711)
; OTHER INFORMATION: biomarker peptide 4330 Da, fragment of Amyloid
; OTHER INFORMATION: beta A4 precursor, beta-amyloid protein 40
; FEATURE:
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; NAME/KEY: PEPTIDE
; LOCATION: (688)..(770)
; OTHER INFORMATION: C83
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (688)..(713)
; OTHER INFORMATION: P3(42)
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (688)..(711)
; OTHER INFORMATION: P3(40)
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (712)..(770)
; OTHER INFORMATION: gamma-CTF(59)
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (714)..(770)
; OTHER INFORMATION: gamma-CTF(57)
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (721)..(770)
; OTHER INFORMATION: gamma-CTF(50)
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (740)..(770)
; OTHER INFORMATION: C31
; US-10-982-545-15
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Query Match 28.4%; Score 58; DB 1; Length 770;

Best Local Similarity 46.7%; Pred. No. 2.3;

Matches 14; Conservative 5; Mismatches 11; Indels 0; Gaps 0;

QY 10 KDKENISKENDVLDKEKEAEETEEELE 39

Db 238 EEEADDDDEDDGDEVEEEAEPEYEATE 267

#### RESULT 6

```
US-10-789-273-38
; Sequence 38, Application US/10789273
; Publication No. US20050249725A1
; GENERAL INFORMATION:
; APPLICANT: Basi, Gurig
; APPLICANT: Saldanha, Jose
; APPLICANT: Yednock, Ted
; TITLE OF INVENTION: HUMANIZED ANTIBODIES THAT RECOGNIZE
; TITLE OF INVENTION: BETA-AMYLOID PEPTIDE
; FILE REFERENCE: ELN-002CP
; CURRENT APPLICATION NUMBER: US/10/789,273
; CURRENT FILING DATE: 2004-02-27
; PRIOR APPLICATION NUMBER: US/10/388,389
; PRIOR FILING DATE: 2003-03-12
; PRIOR APPLICATION NUMBER: US 10/010,942
; PRIOR FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: US 60/251,892
; PRIOR FILING DATE: 2000-12-06
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 38
; LENGTH: 770
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-789-273-38
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Query Match 28.4%; Score 58; DB 1; Length 770;

Best Local Similarity 46.7%; Pred. No. 2.3;

Matches 14; Conservative 5; Mismatches 11; Indels 0; Gaps 0;

QY 10 KDKENISKENDVLDKEKEAEETEEELE 39

Db 238 EEEADDDDEDDGDEVEEEAEPEYEATE 267

```
RESULT 7
US-10-131-826A-16
; Sequence 16, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 16
; LENGTH: 691
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-16

Query Match          27.9%; Score 57; DB 1; Length 691;
Best Local Similarity 32.7%; Pred. No. 2.6;
Matches 16; Conservative 6; Mismatches 13; Indels 14; Gaps 1;

QY 3 SHLYVSSKDKENISKENDVDL-----DEKEEAETEEEEE 37
DB 477 SALRVLQKEQEQEBQELLEYMRKLEARLEKVADEKNEDATTEDDEE 525

RESULT 8
US-10-689-742-116
; Sequence 116, Application US/10689742
; Publication No. US20050250180A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M
; APPLICANT: Lavallic, Edward R

; APPLICANT: Racie, Lisa A
; APPLICANT: Evans, Cheryl
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Spaulding, Vikki
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: 00766.000091.10
; CURRENT APPLICATION NUMBER: US/10/689,742
; CURRENT FILING DATE: 2003-10-22
; PRIOR APPLICATION NUMBER: 09/746,783
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 231
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 116
; LENGTH: 314
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (150)..(150)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
; NAME/KEY: misc feature
; LOCATION: (204)..(204)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-10-689-742-116

Query Match          27.5%; Score 56; DB 1; Length 314;
Best Local Similarity 44.4%; Pred. No. 1.3;
Matches 12; Conservative 6; Mismatches 9; Indels 0; Gaps 0;

QY 10 KDKENISKENDVDLDEKEEAETEEEEE 36
DB 30 KEVENEDEDDSDSKEDDEDEVIDEE 56

RESULT 9
US-10-510-386-50
; Sequence 50, Application US/10510386
; Publication No. US20050244922A1
; GENERAL INFORMATION:
; APPLICANT: Andersen, Jens Tonne
; APPLICANT: Clausen, Ib Groth
; APPLICANT: Jorgensen, Steen Troels
; APPLICANT: Olsen, Peter Bjarke
; APPLICANT: Rasmussen, Michael Dolberg
; TITLE OF INVENTION: Improved Bacillus Host Cell
; FILE REFERENCE: 10294.204-US
; CURRENT APPLICATION NUMBER: US/10/510,386
; CURRENT FILING DATE: 2004-10-04
; NUMBER OF SEQ ID NOS: 248
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 50
; LENGTH: 227
; TYPE: PRT
; ORGANISM: Bacillus licheniformis
US-10-510-386-50

Query Match          27.0%; Score 55; DB 1; Length 227;
Best Local Similarity 48.1%; Pred. No. 1.1;
Matches 13; Conservative 3; Mismatches 11; Indels 0; Gaps 0;

QY 8 SSKDKENISKENDVDLDEKEEAETEE 34
DB 97 SDKDKESASDEDKSTSDPFFEGAEVTE 123

RESULT 10
US-10-131-826A-160
; Sequence 160, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
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; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Deenoysers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; PRIOR FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 160
; LENGTH: 605
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-160

Query Match 27.0%; Score 55; DB 1; Length 605;
Best Local Similarity 55.6%; Pred. No. 3.8;
Matches 10; Conservative 6; Mismatches 2; Indels 0; Gaps 0;

QY 24 DEKEERAEETEELEEK 41
Db 164 EEEEEEEKEBEVKQ 181

RESULT 11
US-10-467-962B-16
; Sequence 16, Application US/10467962B
; Publication No. US20050246784A1
; GENERAL INFORMATION:
; APPLICANT: Pleach, Gunnar
; APPLICANT: Blau, Astrid
; APPLICANT: Daeschner, Klaus
; APPLICANT: Klein, Mathieu
; TITLE OF INVENTION: Identification of Herbicidally Active Substances
; FILE REFERENCE: 2000 857
; CURRENT APPLICATION NUMBER: US/10/467,962B
; CURRENT FILING DATE: 2003-08-14
; PRIOR APPLICATION NUMBER: PCT/EP02/01466
; PRIOR FILING DATE: 2002-02-13
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; NUMBER OF SEQ ID NOS: 109
; SOFTWARE: PatentIn Vers. 2.0
; SEQ ID NO 16
; LENGTH: 303
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-467-962B-16

Query Match 26.5%; Score 54; DB 1; Length 303;
Best Local Similarity 48.4%; Pred. No. 2;
Matches 15; Conservative 5; Mismatches 7; Indels 4; Gaps 2;

QY 9 SKDKENISKENDVLDKEKEEEE--TEEEE 37
Db 130 NKEKANFIK--DRGVDEEEEEEMVVEED 158

RESULT 12
US-10-467-962B-45
; Sequence 45, Application US/10467962B
; Publication No. US20050246784A1
; GENERAL INFORMATION:
; APPLICANT: Pleach, Gunnar
; APPLICANT: Blau, Astrid
; APPLICANT: Daeschner, Klaus
; APPLICANT: Klein, Mathieu
; TITLE OF INVENTION: Identification of Herbicidally Active Substances
; FILE REFERENCE: 2000 857
; CURRENT APPLICATION NUMBER: US/10/467,962B
; CURRENT FILING DATE: 2003-08-14
; PRIOR APPLICATION NUMBER: PCT/EP02/01466
; PRIOR FILING DATE: 2002-02-13
; NUMBER OF SEQ ID NOS: 109
; SOFTWARE: PatentIn Vers. 2.0
; SEQ ID NO 45
; LENGTH: 303
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-467-962B-45

Query Match 26.5%; Score 54; DB 1; Length 303;
Best Local Similarity 48.4%; Pred. No. 2;
Matches 15; Conservative 5; Mismatches 7; Indels 4; Gaps 2;

QY 9 SKDKENISKENDVLDKEKEEEE--TEEEE 37
Db 130 NKEKANFIK--DRGVDEEEEEEMVVEED 158

RESULT 13
US-11-074-176-132
; Sequence 132, Application US/11074176
; Publication No. US20050250135A1
; GENERAL INFORMATION:
; APPLICANT: Klaenhammer, Todd R.
; APPLICANT: Russell, William M.
; APPLICANT: Altermann, Eric
; APPLICANT: McAuliffe, Olivia
; APPLICANT: Peril, Andrea Azcarate
; TITLE OF INVENTION: Nucleic Acid Sequences Encoding
; FILE REFERENCE: 5051-694
; CURRENT APPLICATION NUMBER: US/11/074,176
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: 60/551,161
; PRIOR FILING DATE: 2004-03-08
; NUMBER OF SEQ ID NOS: 381
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 132
; LENGTH: 431
; TYPE: PRT
; ORGANISM: Lactobacillus acidophilus
US-11-074-176-132
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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: November 22, 2005, 20:24:49 ; Search time 119.595 Seconds  
(without alignments)  
144.450 Million cell updates/sec

Title: US-10-774-602-14

Perfect score: 204

Sequence: 1 MLSHLYVSSKDKENISKEND.....VLDEKEEAETEEELK 41

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.Main.\*  
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2: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pap.\*  
3: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pap.\*  
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5: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pap.\*  
6: /cgn2\_6/ptodata/1/pubpaa/US11\_PUBCOMB.pap.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	204	100.0	41	4	US-10-294-770-14
2	204	100.0	41	4	US-10-774-602-14
3	204	100.0	41	5	US-10-691-672A-6
4	204	100.0	169	5	US-10-691-672A-2
5	204	100.0	188	5	US-10-691-672A-7
6	204	100.0	647	5	US-10-691-672A-3
7	101	49.5	28	4	US-10-294-770-13
8	101	49.5	28	4	US-10-774-602-13
9	97	47.5	28	4	US-10-294-770-4
10	97	47.5	28	4	US-10-238-741-4
11	97	47.5	28	4	US-10-774-602-4
12	97	47.5	64	4	US-10-294-770-1
13	97	47.5	64	4	US-10-238-741-1
14	97	47.5	64	4	US-10-774-602-1
15	87	42.6	1077	4	US-10-039-322-110
16	87	42.6	1077	4	US-10-044-564-110
17	87	42.6	1077	6	US-11-097-143-2952
18	83	40.7	89	5	US-10-450-763-34749
19	83	40.7	106	5	US-10-450-763-37314
20	83	40.7	197	4	US-10-101-487-51
21	83	40.7	197	4	US-10-101-487-114
22	83	40.7	197	5	US-10-939-988-51
23	83	40.7	197	5	US-10-939-988-114
24	83	40.7	379	5	US-10-450-763-56911
25	83	40.7	788	5	US-10-450-763-59588
26	82	40.2	57	5	US-10-450-763-41399
27	82	40.2	62	5	US-10-450-763-34329

28 40.2 295 5 US-10-450-763-41603 Sequence 41603, A  
29 39.7 382 5 US-10-450-763-34710 Sequence 34710, A  
30 39.2 65 5 US-10-450-763-37255 Sequence 37255, A  
31 80 39.2 85 5 US-10-450-763-35710 Sequence 35710, A  
32 80 39.2 93 5 US-10-450-763-33327 Sequence 33327, A  
33 80 39.2 93 5 US-10-450-763-34747 Sequence 34747, A  
34 80 39.2 93 5 US-10-450-763-56871 Sequence 56871, A  
35 80 39.2 98 5 US-10-450-763-42094 Sequence 42094, A  
36 80 39.2 109 5 US-10-450-763-37317 Sequence 37317, A  
37 80 39.2 116 4 US-10-450-763-41621 Sequence 41621, A  
38 80 39.2 161 4 US-10-437-963-108765 Sequence 108765, A  
39 80 39.2 226 5 US-10-450-763-45923 Sequence 45923, A  
40 80 39.2 234 5 US-10-450-763-56909 Sequence 56909, A  
41 80 39.2 1229 5 US-10-450-763-54725 Sequence 54725, A  
42 79.5 39.0 182 4 US-10-425-115-227716 Sequence 227716, A  
43 79 38.7 53 5 US-10-450-763-37260 Sequence 37260, A  
44 79 38.7 62 5 US-10-450-763-41637 Sequence 41637, A  
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## ALIGNMENTS

RESULT 1  
US-10-294-770-14  
; Sequence 14, Application US/10294770  
; Publication No. US20030161840A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
; FILE REFERENCE: 230759US0CIP  
; CURRENT APPLICATION NUMBER: US/10/294,770  
; CURRENT FILING DATE: 2002-11-15  
; PRIOR APPLICATION NUMBER: US 09/356,947  
; PRIOR FILING DATE: 1999-07-19  
; PRIOR APPLICATION NUMBER: US 08/416,711  
; PRIOR FILING DATE: 1995-08-08  
; PRIOR APPLICATION NUMBER: PCT/FR93/01024  
; PRIOR FILING DATE: 1993-10-18  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 14  
; LENGTH: 41  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic Peptide  
US-10-294-770-14

Query Match 100.0%; Score 204; DB 4; Length 41;  
Best Local Similarity 100.0%; Pred. No. 1.2e-12;  
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLSHLYVSSKDKENISKENDVLDKEEAETEEELK 41  
DB 1 MLSHLYVSSKDKENISKENDVLDKEEAETEEELK 41

RESULT 2  
US-10-774-602-14  
; Sequence 14, Application US/10774602  
; Publication No. US20040141987A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
; FILE REFERENCE: 248791US0DIV  
; CURRENT APPLICATION NUMBER: US/10/774,602  
; CURRENT FILING DATE: 2004-02-10  
; PRIOR APPLICATION NUMBER: US 09/356,947  
; PRIOR FILING DATE: 1999-07-19  
; PRIOR APPLICATION NUMBER: US 10/238,741  
; PRIOR FILING DATE: 2002-09-11  
; PRIOR APPLICATION NUMBER: US 08/416,711

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; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
; LENGTH: 41
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Peptide
US-10-774-602-14

Query Match      100.0%; Score 204; DB 4; Length 41;
Best Local Similarity 100.0%; Pred. No. 1.2e-12;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLSHLYVSSKDKENISKENDVDLDEKEEAEETEEEEELEEK 41
Db 1 MLSHLYVSSKDKENISKENDVDLDEKEEAEETEEEEELEEK 41

RESULT 3
US-10-691-672A-6
; Sequence 6, Application US/10691672A
; Publication No. US20050112133A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND
; FILE REFERENCE: 02356.0085
; CURRENT APPLICATION NUMBER: US/10/691,672A
; CURRENT FILING DATE: 2003-10-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 6
; LENGTH: 41
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(41)
; OTHER INFORMATION: MSP3d
US-10-691-672A-6

Query Match      100.0%; Score 204; DB 5; Length 41;
Best Local Similarity 100.0%; Pred. No. 1.2e-12;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLSHLYVSSKDKENISKENDVDLDEKEEAEETEEEEELEEK 41
Db 1 MLSHLYVSSKDKENISKENDVDLDEKEEAEETEEEEELEEK 41

RESULT 4
US-10-691-672A-2
; Sequence 2, Application US/10691672A
; Publication No. US20050112133A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND
; FILE REFERENCE: 02356.0085
; CURRENT APPLICATION NUMBER: US/10/691,672A
; CURRENT FILING DATE: 2003-10-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 2
; LENGTH: 169
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
; FEATURE:
; NAME/KEY: SITE
US-10-691-672A-2

; LOCATION: (1)..(169)
; OTHER INFORMATION: MSP3 amino acids 212-380
US-10-691-672A-2

Query Match      100.0%; Score 204; DB 5; Length 169;
Best Local Similarity 100.0%; Pred. No. 5e-12;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLSHLYVSSKDKENISKENDVDLDEKEEAEETEEEEELEEK 41
Db 27 MLSHLYVSSKDKENISKENDVDLDEKEEAEETEEEEELEEK 67

RESULT 5
US-10-691-672A-7
; Sequence 7, Application US/10691672A
; Publication No. US20050112133A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND
; FILE REFERENCE: 02356.0085
; CURRENT APPLICATION NUMBER: US/10/691,672A
; CURRENT FILING DATE: 2003-10-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 7
; LENGTH: 188
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(188)
; OTHER INFORMATION: MSP3a to MSP3f
US-10-691-672A-7

Query Match      100.0%; Score 204; DB 5; Length 188;
Best Local Similarity 100.0%; Pred. No. 5.6e-12;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLSHLYVSSKDKENISKENDVDLDEKEEAEETEEEEELEEK 41
Db 45 MLSHLYVSSKDKENISKENDVDLDEKEEAEETEEEEELEEK 85

RESULT 6
US-10-691-672A-3
; Sequence 3, Application US/10691672A
; Publication No. US20050112133A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND
; FILE REFERENCE: 02356.0085
; CURRENT APPLICATION NUMBER: US/10/691,672A
; CURRENT FILING DATE: 2003-10-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 3
; LENGTH: 647
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(647)
; OTHER INFORMATION: GLURP MSP3 fusion protein
US-10-691-672A-3

Query Match      100.0%; Score 204; DB 5; Length 647;
Best Local Similarity 100.0%; Pred. No. 2e-11;
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Query Match 49.5%; Score 101; DB 4; Length 28;  
Best Local Similarity 100.0%; Pred. No. 0.0052;  
Matches 20; Conservative 0; Mismatches 0; Indels

US-10-238-741-4  
; Sequence 4, Application US/10238741  
; Publication No. US20040096466A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; BOUHAROUN-TAYOUN, HASNAQ  
; OEUVRAY, CLAUDE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING  
; PROTECTIVE ANTIBODIES  
; NUMBER OF SEQUENCES: 10  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
; P.C.  
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22202  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/238,741  
; FILING DATE: 09-Nov-2002  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/356,497  
; FILING DATE: 19-Jul-1999  
; APPLICATION NUMBER: US/08/416,711  
; FILING DATE: 08-AUG-1995  
; APPLICATION NUMBER: PCT/FR93/01024

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; FILING DATE: 18-OCT-1993
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-238-741-4

Query Match          47.5%; Score 97; DB 4; Length 28;
Best Local Similarity 95.0%; Pred. No. 0.013;
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLSHLYVSSKDKENISKEND 20
Db 9 MLSHLYVSSKDKENISKENE 28

RESULT 11
US-10-774-602-4
; Sequence 4, Application US/10774602
; Publication No. US20040141987A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 248791USODIV
; CURRENT APPLICATION NUMBER: US/10/774,602
; CURRENT FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: US 09/356,947
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 10/238,741
; PRIOR FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
US-10-774-602-4

Query Match          47.5%; Score 97; DB 4; Length 28;
Best Local Similarity 95.0%; Pred. No. 0.013;
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLSHLYVSSKDKENISKEND 20
Db 9 MLSHLYVSSKDKENISKENE 28

RESULT 12
US-10-294-770-1
; Sequence 1, Application US/10294770
; Publication No. US20030161840A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 230759USOCIP
; CURRENT APPLICATION NUMBER: US/10/294,770
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; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 09/356,947
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 64
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
US-10-294-770-1

Query Match          47.5%; Score 97; DB 4; Length 64;
Best Local Similarity 95.0%; Pred. No. 0.03;
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLSHLYVSSKDKENISKEND 20
Db 45 MLSHLYVSSKDKENISKENE 64

RESULT 13
US-10-238-741-1
; Sequence 1, Application US/10238741
; Publication No. US20040096466A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; BOUHAROUN-TAYOUN, HASNAQ
; OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/238,741
; FILING DATE: 09-Nov-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/356,497
; FILING DATE: 19-Jul-1999
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 64 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
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;
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-238-741-1
  Query Match      47.5%; Score 97; DB 4; Length 64;
  Best Local Similarity 95.0%; Pred. No. 0.03;
  Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLSHLYVSSKDKENISKEND 20
Db 45 MLSHLYVSSKDKENISKENE 64

RESULT 14
US-10-774-602-1
; Sequence 1, Application US/10774602
; Publication No. US20040141987A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 248791USODIV
; CURRENT APPLICATION NUMBER: US/10/774,602
; CURRENT FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: US 09/356,947
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 10/238,741
; PRIOR FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 64
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
US-10-774-602-1

  Query Match      47.5%; Score 97; DB 4; Length 64;
  Best Local Similarity 95.0%; Pred. No. 0.03;
  Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLSHLYVSSKDKENISKEND 20
Db 45 MLSHLYVSSKDKENISKENE 64

RESULT 15
US-10-099-322-110
; Sequence 110, Application US/10099322
; Publication No. US20030215449A1
; GENERAL INFORMATION:
; APPLICANT: Mezes et al.
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-240CIP
; CURRENT APPLICATION NUMBER: US/10/099,322
; CURRENT FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: 60/261,014
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/261,018
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/318,410
; PRIOR FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: 60/261,013
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/261,026
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/261,029
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/313,170
; PRIOR FILING DATE: 2001-08-17
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; PRIOR APPLICATION NUMBER: 10/044,564
; PRIOR FILING DATE: 2002-01-11
; NUMBER OF SEQ ID NOS: 324
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 110
; LENGTH: 1077
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-10-099-322-110

  Query Match      42.6%; Score 87; DB 4; Length 1077;
  Best Local Similarity 55.9%; Pred. No. 4.9;
  Matches 19; Conservative 3; Mismatches 12; Indels 0; Gaps 0;

Qy 8 SSKDKENISKENDVDLDEKEEEAEETEEEEK 41
Db 970 ASKDDDESENDDEDEDEDESESESESEEEK 1003

Search completed: November 22, 2005, 20:54:01
Job time : 118.595 secs
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THE BOWLING GREEN



GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: November 22, 2005, 20:20:23 ; Search time 25.7521 Seconds  
(without alignments)  
131.628 Million cell updates/sec

Title: US-10-774-602-14

Perfect score: 204

Sequence: 1 MLSHLYVSKDKENISKEND.....VLDEKEEAEETEEBLEEK 41

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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5: /cgn2\_6/prodata/1/iaa/RE\_COMB.pep.\*  
6: /cgn2\_6/prodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	97	47.5	28	2	US-09-356-497-4
3	97	47.5	28	2	US-10-238-741-4
4	97	47.5	64	2	US-08-416-711-1
5	97	47.5	64	2	US-09-356-497-1
6	97	47.5	64	2	US-10-238-741-1
7	82	40.2	3135	1	US-08-323-170B-2
8	82	40.2	3135	2	US-08-954-441-2
9	79	38.7	714	1	US-08-990-114-3
10	79	38.7	714	2	US-09-241-333-3
11	78	38.2	2079	2	US-09-949-016-8301
12	77	37.7	740	1	US-08-257-073-5
13	76.5	37.5	1104	2	US-10-104-047-2506
14	76.5	37.5	1125	2	US-09-949-016-10194
15	76	37.3	905	1	US-08-574-959A-9
16	76	37.3	905	2	US-09-357-014-9
17	76	37.3	1135	1	US-08-574-959A-7
18	76	37.3	1135	2	US-09-357-014-7
19	76	37.3	2375	2	US-09-538-092-1131
20	75.5	37.0	1269	2	US-09-949-016-7349
21	75.5	37.0	1269	2	US-09-949-016-7350
22	75	36.8	87	2	US-09-248-796A-22150
23	75	36.8	214	2	US-09-214-881A-5
24	75	36.8	739	2	US-09-022-983-2
25	74.5	36.5	594	2	US-09-248-796A-15031
26	74	36.3	1016	2	US-09-949-016-11018
27	73.5	36.0	202	2	US-09-190-976B-19
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					Sequence 1, Appli
					Sequence 1, Appli
					Sequence 2, Appli
					Sequence 3, Appli
					Sequence 3, Appli
					Sequence 8301, Ap
					Sequence 5, Appli
					Sequence 2506, Ap
					Sequence 10194, A
					Sequence 9, Appli
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					Sequence 1131, Ap
					Sequence 7349, Ap
					Sequence 7350, Ap
					Sequence 22150, A
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					Sequence 5, Appli
					Sequence 15031, A
					Sequence 11018, A
					Sequence 19, Appli

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Sequence 10, Appli  
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Sequence 11, Appli  
Sequence 41485, A  
Sequence 10896, A  
Sequence 1130, Ap  
Sequence 19154, A

#### ALIGNMENTS

RESULT 1  
US-08-416-711-4  
; Sequence 4, Application US/08416711  
; Patent No. 6017538  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; APPLICANT: BOUHAROUN-TAYOUN, HASNAQ  
; APPLICANT: OEUVRAY, CLAUDE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING  
; TITLE OF INVENTION: PROTECTIVE ANTIBODIES  
; NUMBER OF SEQUENCES: 10  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
; ADDRESSEE: P.C.  
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22202  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/416,711  
; FILING DATE: 08-AUG-1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/FR93/01024  
; FILING DATE: 18-OCT-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: FR 92/12488  
; FILING DATE: 19-OCT-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: OBLON, NORMAN F.  
; REGISTRATION NUMBER: 24,618  
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-413-3000  
; TELEFAX: 703-413-2220  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 28 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-416-711-4

Query Match 47.5%; Score 97; DB 2; Length 28;  
Best Local Similarity 95.0%; Pred. No. 0.00024;  
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLSHLYVSSKDKENISKEND 20  
Db 9 MLSHLYVSSKDKENISKENE 28

## RESULT 2

US-09-356-497-4  
; Sequence 4, Application US/09356497  
; Patent No. 6472519  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; BOUHAROUN-TAYOUN, HASNAQ  
; OEUVRAY, CLAUDE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING  
; PROTECTIVE ANTIBODIES  
; NUMBER OF SEQUENCES: 10  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
; P.C.  
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22202

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA: US/09/356,497  
FILING DATE: 19-Jul-1999  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/416,711  
FILING DATE: 08-AUG-1995  
APPLICATION NUMBER: PCT/FR93/01024  
FILING DATE: 18-OCT-1993  
APPLICATION NUMBER: FR 92/12488  
FILING DATE: 19-OCT-1992

ATTORNEY/AGENT INFORMATION:  
NAME: OBLON, NORMAN F.  
REGISTRATION NUMBER: 24,618  
REFERENCE/DOCKET NUMBER: 660-085-0 PCT  
TELEPHONE: 703-413-3000  
TELEFAX: 703-413-2220

INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 28 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear

MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-09-356-497-4  
Query Match 47.5%; Score 97; DB 2; Length 28;  
Best Local Similarity 95.0%; Pred. No. 0.00024;  
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLSHLYVSSKDKENISKEND 20  
Db 9 MLSHLYVSSKDKENISKENE 28

## RESULT 3

US-10-238-741-4  
; Sequence 4, Application US/10238741

; Patent No. 6949627  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; BOUHAROUN-TAYOUN, HASNAQ  
; OEUVRAY, CLAUDE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING  
; PROTECTIVE ANTIBODIES  
; NUMBER OF SEQUENCES: 10  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
; P.C.  
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22202

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA: US/10/238,741  
FILING DATE: 09-No. 6949627-2002  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/356,497  
FILING DATE: 19-Jul-1999  
APPLICATION NUMBER: US/08/416,711  
FILING DATE: 08-AUG-1995  
APPLICATION NUMBER: PCT/FR93/01024  
FILING DATE: 18-OCT-1993  
APPLICATION NUMBER: FR 92/12488  
FILING DATE: 19-OCT-1992

ATTORNEY/AGENT INFORMATION:  
NAME: OBLON, NORMAN F.  
REGISTRATION NUMBER: 24,618  
REFERENCE/DOCKET NUMBER: 660-085-0 PCT  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-413-3000  
TELEFAX: 703-413-2220

INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 28 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear

MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-10-238-741-4  
Query Match 47.5%; Score 97; DB 2; Length 28;  
Best Local Similarity 95.0%; Pred. No. 0.00024;  
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLSHLYVSSKDKENISKEND 20  
Db 9 MLSHLYVSSKDKENISKENE 28

## RESULT 4

US-08-416-711-1  
; Sequence 1, Application US/08416711  
; Patent No. 6017538  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; BOUHAROUN-TAYOUN, HASNAQ  
; OEUVRAY, CLAUDE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING  
; PROTECTIVE ANTIBODIES  
; NUMBER OF SEQUENCES: 10  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,

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; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US/08/416,711
;   FILING DATE: 08-AUG-1995
;   APPLICATION NUMBER: PCT/FR93/01024
;   FILING DATE: 18-OCT-1993
;   APPLICATION NUMBER: FR 92/12488
;   FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
;   NAME: OBLON, NORMAN F.
;   REGISTRATION NUMBER: 24,618
;   REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 703-413-3000
;   TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 1:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH: 64 amino acids
;     TYPE: amino acid
;     STRANDEDNESS: single
;     TOPOLOGY: linear
;   MOLECULE TYPE: peptide
;   SEQUENCE DESCRIPTION: SEQ ID NO: 1:
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; US-09-356-497-1
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; Query Match          47.5%; Score 97; DB 2; Length 64;
; Best Local Similarity 95.0%; Pred.No. 0.00059;
; Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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; QY      1  MLSHLYVSSKDKENISKEND 20
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; Db      45  MLSHLYVSSKDKENISKENE 64
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; RESULT 6
; US-10-238-741-1
;   Sequence 1, Application US/10238741
;   Patent No. 6949627
;   GENERAL INFORMATION:
;     APPLICANT: DRUILHE, PIERRE
;               BOUHARCUN-TAYOUN, HASNAQ
;               OEUVRAY, CLAUDE
;   TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
;                       PROTECTIVE ANTIBODIES
;   NUMBER OF SEQUENCES: 10
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
;               P.C.
;     STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
;     CITY: ARLINGTON
;     STATE: VA
;     COUNTRY: USA
;     ZIP: 22202
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/10/238,741
;     FILING DATE: 09-No. 6949627-2002
;     CLASSIFICATION: <Unknown>
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: US/09/356,497
;     FILING DATE: 19-JUL-1999
;     APPLICATION NUMBER: US/08/416,711
;     FILING DATE: 08-AUG-1995
;     APPLICATION NUMBER: PCT/FR93/01024
;     FILING DATE: 18-OCT-1993
;     APPLICATION NUMBER: FR 92/12488
;     FILING DATE: 19-OCT-1992
;   ATTORNEY/AGENT INFORMATION:
;     NAME: OBLON, NORMAN F.

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**AFFILIATI: LINE, JOHN A.**  
**TITLE OF INVENTION: MALARIA RECOMBINANT POXVIRUS VACCINE**



Query Match 37.3%; Score 76; DB 1; Length 905;  
Best Local Similarity 40.0%; Pred. No. 2.1;  
Matches 16; Conservative 11; Mismatches 13; Indels

Search completed: November 22, 2005, 20:26:19  
Job time : 25.7521 secs





GenCore version 5.1.6  
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: November 22, 2005, 20:24:59 ; Search time 1.85124 Seconds  
(without alignments)  
17.088 Million cell updates/sec

Title: US-10-774-602-13

Perfect score: 147

Sequence: 1 PEHKKEENMLSHLYVSSKDKENISKEND 28

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Total number of hits satisfying chosen parameters: 8323

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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8: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pdb.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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3	41.5	28.2	239	1	US-10-209-208-14
4	41	27.9	591	1	US-10-510-386-22
5	41	27.9	3056	7	US-11-109-156-20
6	39.5	26.9	350	1	US-10-131-826A-518
7	39.5	26.9	1119	1	US-10-131-826A-352
8	39.5	26.9	1167	1	US-10-942-072-13
9	39.5	26.9	1168	1	US-10-942-072-11
10	39	26.5	317	1	US-10-131-826A-524
11	39	26.5	1142	7	US-11-109-156-22
12	38	25.9	203	1	US-10-510-386-122
13	38	25.9	472	1	US-10-689-742-68
14	38	25.9	617	1	US-10-982-545-2
15	37.5	25.5	238	1	US-10-209-208-10
16	37.5	25.5	239	1	US-10-209-208-12
17	37.5	25.5	239	1	US-10-209-208-13
18	37.5	25.5	239	1	US-10-209-208-15
19	37	25.2	52	1	US-10-914-165-6
20	37	25.2	552	1	US-10-131-826A-332
21	36.5	24.8	44	1	US-10-632-349-8
22	36.5	24.8	250	1	US-10-131-826A-78
23	36	24.5	182	7	US-11-074-176-218
24	36	24.5	434	1	US-10-632-150-24
25	36	24.5	457	1	US-10-982-545-8

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Sequence 126, App  
Sequence 50, Appli  
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Sequence 78, Appli

#### ALIGNMENTS

#### RESULT 1

US-10-131-826A-180

; Sequence 180, Application US/10131826A

; Publication No. US20050245730A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: Deforge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Sherney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3330R1C128

; CURRENT APPLICATION NUMBER: US/10/131,826A

; CURRENT FILING DATE: 2002-04-24

; PRIOR APPLICATION NUMBER: 60/049911

; PRIOR FILING DATE: 1997-06-18

; PRIOR APPLICATION NUMBER: 60/056974

; PRIOR FILING DATE: 1997-08-26

; PRIOR APPLICATION NUMBER: 60/059113

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059115

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059117

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059122

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059184

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059263

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/059352

; PRIOR FILING DATE: 1997-09-19

; PRIOR APPLICATION NUMBER: 60/059588

; PRIOR FILING DATE: 1997-09-19

; Remaining Prior Application data removed - See File Wrapper or PALM.

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; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 180
; LENGTH: 622
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-180

Query Match      29.3%; Score 43; DB 1; Length 622;
Best Local Similarity 42.1%; Pred. No. 9.3;
Matches 8; Conservative 4; Mismatches 7; Indels 0; Gaps 0;

QY      8 NMLSHLYVSSKDKENISKE 26
DB      276 NNLKHLILSHNDLENLNSD 294

RESULT 2
US-10-209-208-11
; Sequence 11, Application US/10209208
; Publication No. US20050244921A1
; GENERAL INFORMATION:
; APPLICANT: Tsien, Roger
; APPLICANT: Campbell, Robert
; APPLICANT: Geoffrey Baird
; TITLE OF INVENTION: FLUORESCENT PROTEIN VARIANTS AND METHODS
; FILE REFERENCE: UC083.1CP2CP2
; CURRENT APPLICATION NUMBER: US/10/209,208
; CURRENT FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: 10/121,258
; PRIOR FILING DATE: 2002-04-10
; PRIOR APPLICATION NUMBER: 09/866,538
; PRIOR FILING DATE: 2001-05-24
; PRIOR APPLICATION NUMBER: 09/794,308
; PRIOR FILING DATE: 2001-02-26
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 239
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Enhanced Cyan Fluorescent Protein (ECFP)
US-10-209-208-11

Query Match      28.2%; Score 41.5; DB 1; Length 239;
Best Local Similarity 38.1%; Pred. No. 4.7;
Matches 8; Conservative 7; Mismatches 5; Indels 1; Gaps 1;

QY      3 HKKEENMLSH-LYVSSKDKEN 22
DB      140 HKLEYNVISHNVYITADKQKN 160

RESULT 3
US-10-209-208-14
; Sequence 14, Application US/10209208
; Publication No. US20050244921A1
; GENERAL INFORMATION:
; APPLICANT: Tsien, Roger
; APPLICANT: Campbell, Robert
; APPLICANT: Geoffrey Baird
; TITLE OF INVENTION: FLUORESCENT PROTEIN VARIANTS AND METHODS
; FILE REFERENCE: UC083.1CP2CP2
; CURRENT APPLICATION NUMBER: US/10/209,208
; CURRENT FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: 10/121,258
; PRIOR FILING DATE: 2002-04-10
; PRIOR APPLICATION NUMBER: 09/866,538
; PRIOR FILING DATE: 2001-05-24
; PRIOR APPLICATION NUMBER: 09/794,308
; PRIOR FILING DATE: 2001-02-26
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 239
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Enhanced Cyan Fluorescent Protein (ECFP)
US-10-209-208-11

Query Match      28.2%; Score 41.5; DB 1; Length 239;
Best Local Similarity 38.1%; Pred. No. 4.7;
Matches 8; Conservative 7; Mismatches 5; Indels 1; Gaps 1;

QY      3 HKKEENMLSH-LYVSSKDKEN 22
DB      140 HKLEYNVISHNVYITADKQKN 160

RESULT 4
US-10-510-386-22
; Sequence 22, Application US/10510386
; Publication No. US20050244922A1
; GENERAL INFORMATION:
; APPLICANT: Andersen, Jens Tonne
; APPLICANT: Clausen, Ib Groth
; APPLICANT: Jorgensen, Steen Troels
; APPLICANT: Olsen, Peter Bjarke
; APPLICANT: Rasmussen, Michael Dolberg
; TITLE OF INVENTION: Improved Bacillus Host Cell
; FILE REFERENCE: 10294.204-US
; CURRENT APPLICATION NUMBER: US/10/510,386
; CURRENT FILING DATE: 2004-10-04
; NUMBER OF SEQ ID NOS: 248
; SOFTWARE: Patent in version 3.3
; SEQ ID NO 22
; LENGTH: 591
; TYPE: PRT
; ORGANISM: Bacillus licheniformis
US-10-510-386-22

Query Match      27.9%; Score 41; DB 1; Length 591;
Best Local Similarity 29.6%; Pred. No. 17;
Matches 8; Conservative 8; Mismatches 11; Indels 0; Gaps 0;

QY      2 EHKKEENMLSHLYVSSKDKENISKEND 28
DB      27 ESKQENEVIVVYKNTSGKETVIEQAD 53

RESULT 5
US-11-109-156-20
; Sequence 20, Application US/11109156
; Publication No. US20050250144A1
; GENERAL INFORMATION:
; APPLICANT: Toshio Ota
; APPLICANT: Takao Isogai
; APPLICANT: Tetsuo Nishikawa
; APPLICANT: Koji Hayashi
; APPLICANT: Kaoru Otsuka
; APPLICANT: Jun-Ichi Yamamoto
; APPLICANT: Shizuko Ishii
; APPLICANT: Tomoyasu Sugiyama
; APPLICANT: Ai Wakamatsu
; APPLICANT: Keiichi Nagai
; APPLICANT: Tetsuji Otsuki
; APPLICANT: Shin-Ichi Funahashi
; APPLICANT: Chiaki Senoo
; APPLICANT: Jun-Ichi Nezu
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN KINASE/PROTEIN
; FILE REFERENCE: 06501-099002
; CURRENT APPLICATION NUMBER: US/11/109,156
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RESULT 7  
US-10-131-826A-352  
Sequence 352, Application US/10131826A  
Publication No. US20050245730A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: DeForge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
TITLE OF INVENTION: ACIDS ENCODING THE SAME  
FILE REFERENCE: P3330R1C128  
CURRENT APPLICATION NUMBER: US/10/131,826A  
CURRENT FILING DATE: 2002-04-24  
PRIOR APPLICATION NUMBER: 60/049911  
PRIOR FILING DATE: 1997-06-18  
PRIOR APPLICATION NUMBER: 60/056974  
PRIOR FILING DATE: 1997-08-26  
PRIOR APPLICATION NUMBER: 60/059113  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059115  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059117  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059122  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059184  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059352  
PRIOR FILING DATE: 1997-09-19  
PRIOR APPLICATION NUMBER: 60/059588  
PRIOR FILING DATE: 1997-09-19  
Remaining Prior Application data removed - See File Wrapper or PALM.





```
RESULT 14
US-10-982-545-2
; Sequence 2, Application US/10982545
; Publication No. US20050244890A1
; GENERAL INFORMATION:
; APPLICANT: Davies, Huw Alun
; APPLICANT: McGuire, James
; APPLICANT: Simonsen, Anja Hviid
; APPLICANT: Blennow, Kaj
; APPLICANT: Podust, Vladimir
; APPLICANT: CIPHERGEN Biosystems, Inc.
; TITLE OF INVENTION: Biomarkers for Alzheimer's Disease
; FILE REFERENCE: 016866-011550US
; CURRENT APPLICATION NUMBER: US/10/982,545
; CURRENT FILING DATE: 2004-11-06
; PRIOR APPLICATION NUMBER: US 60/518,360
; PRIOR FILING DATE: 2003-11-07
; PRIOR APPLICATION NUMBER: US 60/526,753
; PRIOR FILING DATE: 2003-12-02
; PRIOR APPLICATION NUMBER: US 60/546,423
; PRIOR FILING DATE: 2004-02-19
; PRIOR APPLICATION NUMBER: US 60/547,250
; PRIOR FILING DATE: 2004-02-23
; PRIOR APPLICATION NUMBER: US 60/558,896
; PRIOR FILING DATE: 2004-04-02
; PRIOR APPLICATION NUMBER: US 60/572,617
; PRIOR FILING DATE: 2004-05-18
; PRIOR APPLICATION NUMBER: US 60/586,503
; PRIOR FILING DATE: 2004-07-08
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 617
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Secretogranin II (Chromogranin C, EM66,
; OTHER INFORMATION: secretoneurin) precursor
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (182)..(214)
; OTHER INFORMATION: biomarker peptide M3680.7
US-10-982-545-2

Query Match      25.9%; Score 38; DB 1; Length 617;
Best Local Similarity 28.6%; Pred. No. 49;
Matches      8; Conservative      8; Mismatches      12; Indels      0; Gaps      0;

QY      1 PEHKKENMLSHLYVSSKDKENISKEND 28
DB      211 PNNQKRERMDDEQKLYTDDDDIYKANN 238

RESULT 15
US-10-209-208-10
; Sequence 10, Application US/10209208
; Publication No. US20050244921A1
; GENERAL INFORMATION:
; APPLICANT: Tsien, Roger
; APPLICANT: Cambell, Robert
; APPLICANT: Geoffrey, Baird
; TITLE OF INVENTION: FLUORESCENT PROTEIN VARIANTS AND METHODS
; TITLE OF INVENTION: FOR MAKING SAME
; FILE REFERENCE: UC083.1CP2CP2
; CURRENT APPLICATION NUMBER: US/10/209,208
; CURRENT FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: 10/121,258
; PRIOR FILING DATE: 2002-04-10
; PRIOR APPLICATION NUMBER: 09/866,538
; PRIOR FILING DATE: 2001-05-24
; PRIOR APPLICATION NUMBER: 09/794,308
```

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; PRIOR FILING DATE: 2001-02-26
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Aequorea victoria
US-10-209-208-10

Query Match      25.5%; Score 37.5; DB 1; Length 238;
Best Local Similarity 38.5%; Pred. No. 18;
Matches      10; Conservative      5; Mismatches      10; Indels      1; Gaps      1;

QY      3 HKKEENMLSH-LYVSSKDKENISKEN 27
DB      139 HKLEYNYNSHNVYIMADKQKNGIKVN 164

Search completed: November 22, 2005, 20:54:15
Job time : 1.85124 secs
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OM protein - protein search, using sw model

Run on: November 22, 2005, 20:24:49 ; Search time 80.9917 Seconds  
(without alignments)  
144.450 Million cell updates/sec

Title: US-10-774-602-13

Perfect score: 147

Sequence: 1 PEHKEENMLSHLYVSSKDKENISKEND 28

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : 1: /cgn2\_6/prodata/1/pubpaa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/prodata/1/pubpaa/US08\_PUBCOMB.pep.\*  
3: /cgn2\_6/prodata/1/pubpaa/US09\_PUBCOMB.pep.\*  
4: /cgn2\_6/prodata/1/pubpaa/US10A\_PUBCOMB.pep.\*  
5: /cgn2\_6/prodata/1/pubpaa/US10B\_PUBCOMB.pep.\*  
6: /cgn2\_6/prodata/1/pubpaa/US11\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	147	100.0	28	4 US-10-294-770-13	Sequence 13, Appl
2	147	100.0	28	4 US-10-774-602-13	Sequence 13, Appl
3	147	100.0	169	5 US-10-691-672A-2	Sequence 2, Appl
4	147	100.0	188	5 US-10-691-672A-7	Sequence 7, Appl
5	147	100.0	647	5 US-10-691-672A-3	Sequence 3, Appl
6	143	97.3	28	4 US-10-294-770-4	Sequence 4, Appl
7	143	97.3	28	4 US-10-238-741-4	Sequence 4, Appl
8	143	97.3	28	4 US-10-774-602-4	Sequence 4, Appl
9	143	97.3	64	4 US-10-294-770-1	Sequence 1, Appl
10	143	97.3	64	4 US-10-238-741-1	Sequence 1, Appl
11	143	97.3	64	4 US-10-774-602-1	Sequence 1, Appl
12	101	68.7	41	4 US-10-294-770-14	Sequence 14, Appl
13	101	68.7	41	4 US-10-774-602-14	Sequence 14, Appl
14	101	68.7	41	5 US-10-691-672A-6	Sequence 6, Appl
15	54	36.7	199	4 US-10-437-963-161536	Sequence 161536,
16	53	36.1	92	4 US-10-437-963-109657	Sequence 109657,
17	53	36.1	426	3 US-09-731-872-310	Sequence 310, App
18	53	36.1	426	3 US-09-731-872-317	Sequence 317, App
19	53	36.1	426	3 US-09-876-997-310	Sequence 310, App
20	53	36.1	426	3 US-09-876-997-317	Sequence 317, App
21	53	36.1	426	4 US-10-655-601-5	Sequence 5, Appl
22	53	36.1	426	5 US-10-643-836-310	Sequence 310, App
23	53	36.1	426	5 US-10-643-836-317	Sequence 317, App
24	53	36.1	426	5 US-10-503-870A-6	Sequence 6, Appl
25	53	36.1	481	3 US-09-731-872-415	Sequence 415, App
26	53	36.1	481	3 US-09-876-997-415	Sequence 415, App
27	53	36.1	481	5 US-10-643-836-415	Sequence 415, App

28	53	36.1	1776	4	US-10-425-115-214781	Sequence 214781,
29	53	36.1	3242	6	US-11-097-143-3363	Sequence 3363, Ap
30	52.5	35.7	307	4	US-10-437-963-140346	Sequence 140346,
31	52.5	35.7	654	4	US-10-425-114-65105	Sequence 65105, A
32	52.5	35.7	1080	4	US-10-425-115-231230	Sequence 231230,
33	52	35.4	81	4	US-10-424-599-150366	Sequence 150366,
34	52	35.4	443	4	US-10-282-122A-48757	Sequence 48757, A
35	52	35.4	693	5	US-10-504-582-152	Sequence 152, App
36	52	35.4	749	4	US-10-369-493-21933	Sequence 21933, A
37	52	35.4	1358	4	US-10-425-115-214708	Sequence 214708,
38	51.5	35.0	1182	4	US-10-282-122A-53445	Sequence 53445, A
39	51	34.7	98	4	US-10-437-963-159924	Sequence 159924,
40	51	34.7	174	4	US-10-238-075-558	Sequence 558, App
41	51	34.7	204	4	US-10-767-701-31636	Sequence 31636, A
42	51	34.7	239	4	US-10-425-115-262882	Sequence 262882,
43	51	34.7	415	4	US-10-282-122A-70442	Sequence 70442, A
44	51	34.7	572	4	US-10-267-502-235	Sequence 235, App
45	51	34.7	572	4	US-10-287-226-661	Sequence 661, App

## ALIGNMENTS

RESULT 1  
US-10-294-770-13  
; Sequence 13, Application US/10294770  
; Publication No. US20030161840A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
; FILE REFERENCE: 230759USOCIP  
; CURRENT APPLICATION NUMBER: US/10/294,770  
; CURRENT FILING DATE: 2002-11-15  
; PRIOR APPLICATION NUMBER: US 09/356,947  
; PRIOR FILING DATE: 1999-07-19  
; PRIOR APPLICATION NUMBER: US 08/416,711  
; PRIOR FILING DATE: 1995-08-08  
; PRIOR APPLICATION NUMBER: PCT/FR93/01024  
; PRIOR FILING DATE: 1993-10-18  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 13  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic Peptide  
US-10-294-770-13

Query Match 100.0%; Score 147; DB 4; Length 28;  
Best Local Similarity 100.0%; Pred. No. 2.6e-12;  
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PEHKEENMLSHLYVSSKDKENISKEND 28  
DB 1 PEHKEENMLSHLYVSSKDKENISKEND 28

RESULT 2  
US-10-774-602-13  
; Sequence 13, Application US/10774602  
; Publication No. US20040141987A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
; FILE REFERENCE: 248791USODIV  
; CURRENT APPLICATION NUMBER: US/10/774,602  
; CURRENT FILING DATE: 2004-02-10  
; PRIOR APPLICATION NUMBER: US 09/356,947  
; PRIOR FILING DATE: 1999-07-19  
; PRIOR APPLICATION NUMBER: US 10/238,741  
; PRIOR FILING DATE: 2002-09-11  
; PRIOR APPLICATION NUMBER: US 08/416,711

; PRIOR FILING DATE: 1995-08-08  
; PRIOR APPLICATION NUMBER: PCT/FR93/01024  
; PRIOR FILING DATE: 1993-10-18  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 13  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic Peptide  
US-10-774-602-13

Query Match 100.0%; Score 147; DB 4; Length 28;  
Best Local Similarity 100.0%; Pred. No. 2.6e-12; Indels 0; Gaps 0;  
Matches 28; Conservative 0; Mismatches 0;

QY 1 PEHKKEENMLSHLYVSSKDKENISKEND 28  
Db 1 PEHKKEENMLSHLYVSSKDKENISKEND 28

## RESULT 3

US-10-691-672A-2  
; Sequence 2, Application US/10691672A  
; Publication No. US20050112133A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE

; TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND  
; FILE REFERENCE: 02356.0085  
; CURRENT APPLICATION NUMBER: US/10/691,672A  
; CURRENT FILING DATE: 2003-10-24  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 3.3  
; SEQ ID NO 2  
; LENGTH: 169  
; TYPE: PRT  
; ORGANISM: Plasmodium falciparum  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (1)..(169)  
; OTHER INFORMATION: MSP3 amino acids 212-380

US-10-691-672A-2

Query Match 100.0%; Score 147; DB 5; Length 169;  
Best Local Similarity 100.0%; Pred. No. 1.9e-11;  
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PEHKKEENMLSHLYVSSKDKENISKEND 28  
Db 19 PEHKKEENMLSHLYVSSKDKENISKEND 46

## RESULT 4

US-10-691-672A-7  
; Sequence 7, Application US/10691672A  
; Publication No. US20050112133A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE

; TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND  
; FILE REFERENCE: 02356.0085  
; CURRENT APPLICATION NUMBER: US/10/691,672A  
; CURRENT FILING DATE: 2003-10-24  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 3.3  
; SEQ ID NO 7  
; LENGTH: 188  
; TYPE: PRT  
; ORGANISM: Plasmodium falciparum  
; FEATURE:  
; NAME/KEY: SITE

; LOCATION: (1)..(188)  
; OTHER INFORMATION: MSP3a to MSP3f  
US-10-691-672A-7

Query Match 100.0%; Score 147; DB 5; Length 188;  
Best Local Similarity 100.0%; Pred. No. 2.2e-11;  
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PEHKKEENMLSHLYVSSKDKENISKEND 28  
Db 37 PEHKKEENMLSHLYVSSKDKENISKEND 64

## RESULT 5

US-10-691-672A-3  
; Sequence 3, Application US/10691672A  
; Publication No. US20050112133A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE

; TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND  
; FILE REFERENCE: 02356.0085  
; CURRENT APPLICATION NUMBER: US/10/691,672A  
; CURRENT FILING DATE: 2003-10-24  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 3.3  
; SEQ ID NO 3  
; LENGTH: 647  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
; OTHER INFORMATION: Peptide  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (1)..(647)  
; OTHER INFORMATION: GLURP MSP3 fusion protein

US-10-691-672A-3

Query Match 100.0%; Score 147; DB 5; Length 647;  
Best Local Similarity 100.0%; Pred. No. 8.6e-11;  
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PEHKKEENMLSHLYVSSKDKENISKEND 28  
Db 497 PEHKKEENMLSHLYVSSKDKENISKEND 524

## RESULT 6

US-10-294-770-4  
; Sequence 4, Application US/10294770  
; Publication No. US20030161840A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE

; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
; FILE REFERENCE: 230759US0CIP  
; CURRENT APPLICATION NUMBER: US/10/294,770  
; CURRENT FILING DATE: 2002-11-15  
; PRIOR APPLICATION NUMBER: US 09/356,947  
; PRIOR FILING DATE: 1999-07-19  
; PRIOR APPLICATION NUMBER: US 08/416,711  
; PRIOR FILING DATE: 1995-08-08  
; PRIOR APPLICATION NUMBER: PCT/FR93/01024  
; PRIOR FILING DATE: 1993-10-18  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 4  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Plasmodium falciparum  
US-10-294-770-4

Query Match 97.3%; Score 143; DB 4; Length 28;



Best Local Similarity 96.4%; Pred. No. 8.9e-12; Indels 0; Gaps 0;  
Matches 27; Conservative 1; Mismatches 0; Gaps 0;

QY 1 PEHKEENMLSHLYVSSKOKENISKEND 28  
|||||  
Db 1 PEHKEENMLSHLYVSSKOKENISKENE 28

RESULT 7  
US-10-238-741-4  
; Sequence 4, Application US/10238741  
; Publication No. US20040096466A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; BOUHAROUN-TAYOUN, HASNAQ  
; OEUVRAY, CLAUDE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING  
; PROTECTIVE ANTIBODIES  
; NUMBER OF SEQUENCES: 10  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OBLON, SPIVAK, MCCELLELAND, MAIER & NEUSTADT,  
; P.C.  
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22202  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/238,741  
; FILING DATE: 09-Nov-2002  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/356,497  
; FILING DATE: 19-Jul-1999  
; APPLICATION NUMBER: US/08/416,711  
; FILING DATE: 08-AUG-1995  
; APPLICATION NUMBER: PCT/FR93/01024  
; FILING DATE: 18-OCT-1993  
; APPLICATION NUMBER: FR 92/12488  
; FILING DATE: 19-OCT-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: OBLON, NORMAN F.  
; REGISTRATION NUMBER: 24,618  
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT  
; TELEPHONE: 703-413-3000  
; TELEFAX: 703-413-2220  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 28 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
US-10-238-741-4

Query Match 97.3%; Score 143; DB 4; Length 28;  
Best Local Similarity 96.4%; Pred. No. 8.9e-12;  
Matches 27; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 PEHKEENMLSHLYVSSKOKENISKEND 28  
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Db 1 PEHKEENMLSHLYVSSKOKENISKENE 28

RESULT 8  
US-10-774-602-4

Query Match 97.3%; Score 143; DB 4; Length 64;  
Best Local Similarity 96.4%; Pred. No. 2.2e-11;  
Matches 27; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 PEHKEENMLSHLYVSSKOKENISKEND 28  
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Db 37 PEHKEENMLSHLYVSSKOKENISKENE 64

RESULT 10  
US-10-238-741-1  
; Sequence 1, Application US/10238741  
; Publication No. US20040096466A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; BOUHAROUN-TAYOUN, HASNAQ

; Sequence 4, Application US/10774602  
; Publication No. US20040141987A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
; FILE REFERENCE: 248791USODIV  
; CURRENT APPLICATION NUMBER: US/10/774,602  
; CURRENT FILING DATE: 2004-02-10  
; PRIOR APPLICATION NUMBER: US 09/356,947  
; PRIOR FILING DATE: 1999-07-19  
; PRIOR APPLICATION NUMBER: US 10/238,741  
; PRIOR FILING DATE: 2002-09-11  
; PRIOR APPLICATION NUMBER: US 08/416,711  
; PRIOR FILING DATE: 1995-08-08  
; PRIOR APPLICATION NUMBER: PCT/FR93/01024  
; PRIOR FILING DATE: 1993-10-18  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 4  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Plasmodium falciparum  
US-10-774-602-4

Query Match 97.3%; Score 143; DB 4; Length 28;  
Best Local Similarity 96.4%; Pred. No. 8.9e-12;  
Matches 27; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 PEHKEENMLSHLYVSSKOKENISKEND 28  
|||||  
Db 1 PEHKEENMLSHLYVSSKOKENISKENE 28

RESULT 9  
US-10-294-770-1  
; Sequence 1, Application US/10294770  
; Publication No. US20030161840A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
; FILE REFERENCE: 230759USOCIP  
; CURRENT APPLICATION NUMBER: US/10/294,770  
; CURRENT FILING DATE: 2002-11-15  
; PRIOR APPLICATION NUMBER: US 09/356,947  
; PRIOR FILING DATE: 1999-07-19  
; PRIOR APPLICATION NUMBER: US 08/416,711  
; PRIOR FILING DATE: 1995-08-08  
; PRIOR APPLICATION NUMBER: PCT/FR93/01024  
; PRIOR FILING DATE: 1993-10-18  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 1  
; LENGTH: 64  
; TYPE: PRT  
; ORGANISM: Plasmodium falciparum  
US-10-294-770-1

Query Match 97.3%; Score 143; DB 4; Length 64;  
Best Local Similarity 96.4%; Pred. No. 2.2e-11;  
Matches 27; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 PEHKEENMLSHLYVSSKOKENISKEND 28  
|||||  
Db 37 PEHKEENMLSHLYVSSKOKENISKENE 64

RESULT 10  
US-10-238-741-1  
; Sequence 1, Application US/10238741  
; Publication No. US20040096466A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; BOUHAROUN-TAYOUN, HASNAQ

```
/
/ OEUVRAY, CLAUDE
/ TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
/ PROTECTIVE ANTIBODIES
/ NUMBER OF SEQUENCES: 10
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
/ P. C.
/ STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
/ CITY: ARLINGTON
/ STATE: VA
/ COUNTRY: USA
/ ZIP: 22202
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/10/238,741
/ FILING DATE: 09-Nov-2002
/ CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/09/356,497
/ FILING DATE: 19-Jul-1999
/ APPLICATION NUMBER: US/08/416,711
/ FILING DATE: 08-AUG-1995
/ APPLICATION NUMBER: PCT/FR93/01024
/ FILING DATE: 18-OCT-1993
/ APPLICATION NUMBER: FR 92/12488
/ FILING DATE: 19-OCT-1992
/ ATTORNEY/AGENT INFORMATION:
/ NAME: OBLON, NORMAN F.
/ REGISTRATION NUMBER: 24,618
/ REFERENCE/DOCKET NUMBER: 660-085-0 PCT
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 703-413-3000
/ TELEFAX: 703-413-2220
/ INFORMATION FOR SEQ ID NO: 1:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 64 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-238-741-1
Query Match 97.3%; Score 143; DB 4; Length 64;
Best Local Similarity 96.4%; Pred. No. 2.2e-11;
Matches 27; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 PEHKKEENMLSHLYVSSKDKENISKEND 28
Db 37 PEHKKEENMLSHLYVSSKDKENISKENE 64

RESULT 11
US-10-774-602-1
Sequence 1, Application US/10774602
Publication No. US20040141987A1
GENERAL INFORMATION:
APPLICANT: DRUILHE, PIERRE
TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
FILE REFERENCE: 248791USODIV
CURRENT APPLICATION NUMBER: US/10/774,602
PRIOR APPLICATION NUMBER: US/10/774,602
CURRENT FILING DATE: 2004-02-10
PRIOR FILING DATE: 1999-07-19
PRIOR APPLICATION NUMBER: US 09/356,947
PRIOR FILING DATE: 1999-07-19
PRIOR APPLICATION NUMBER: US 10/238,741
PRIOR FILING DATE: 2002-09-11
PRIOR APPLICATION NUMBER: US 08/416,711
PRIOR FILING DATE: 1995-08-08
PRIOR APPLICATION NUMBER: PCT/FR93/01024
PRIOR FILING DATE: 1993-10-18
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PatentIn version 3.1
/
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/ PRIOR FILING DATE: 1993-10-18
/ NUMBER OF SEQ ID NOS: 14
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 1
/ LENGTH: 64
/ TYPE: PRT
/ ORGANISM: Plasmodium falciparum
US-10-774-602-1
Query Match 97.3%; Score 143; DB 4; Length 64;
Best Local Similarity 96.4%; Pred. No. 2.2e-11;
Matches 27; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 PEHKKEENMLSHLYVSSKDKENISKEND 28
Db 37 PEHKKEENMLSHLYVSSKDKENISKENE 64

RESULT 12
US-10-294-770-14
Sequence 14, Application US/10294770
Publication No. US20030161840A1
GENERAL INFORMATION:
APPLICANT: DRUILHE, PIERRE
TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
FILE REFERENCE: 230759USOCIP
CURRENT APPLICATION NUMBER: US/10/294,770
CURRENT FILING DATE: 2002-11-15
PRIOR APPLICATION NUMBER: US 09/356,947
PRIOR FILING DATE: 1999-07-19
PRIOR APPLICATION NUMBER: US 08/416,711
PRIOR FILING DATE: 1995-08-08
PRIOR APPLICATION NUMBER: PCT/FR93/01024
PRIOR FILING DATE: 1993-10-18
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PatentIn version 3.1
SEQ ID NO 14
LENGTH: 41
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic Peptide
US-10-294-770-14
Query Match 68.7%; Score 101; DB 4; Length 41;
Best Local Similarity 100.0%; Pred. No. 4.6e-06;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 MLSHLYVSSKDKENISKEND 28
Db 1 MLSHLYVSSKDKENISKEND 20

RESULT 13
US-10-774-602-14
Sequence 14, Application US/10774602
Publication No. US20040141987A1
GENERAL INFORMATION:
APPLICANT: DRUILHE, PIERRE
TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
FILE REFERENCE: 248791USODIV
CURRENT APPLICATION NUMBER: US/10/774,602
CURRENT FILING DATE: 2004-02-10
PRIOR APPLICATION NUMBER: US 09/356,947
PRIOR FILING DATE: 1999-07-19
PRIOR APPLICATION NUMBER: US 10/238,741
PRIOR FILING DATE: 2002-09-11
PRIOR APPLICATION NUMBER: US 08/416,711
PRIOR FILING DATE: 1995-08-08
PRIOR APPLICATION NUMBER: PCT/FR93/01024
PRIOR FILING DATE: 1993-10-18
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PatentIn version 3.1
/
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; SEQ ID NO 14
; LENGTH: 41
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Peptide
US-10-774-602-14

Query Match      68.7%; Score 101; DB 4; Length 41;
Best Local Similarity 100.0%; Pred. No. 4.6e-06;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 MLSHLYVSSKDKENISKEND 28
Db      1 MLSHLYVSSKDKENISKEND 20

RESULT 14
US-10-691-672A-6
; Sequence 6, Application US/10691672A
; Publication No. US20050112133A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND
; TITLE OF INVENTION: MALARIAL VACCINES CONTAINING IT
; FILE REFERENCE: 02356.0085
; CURRENT APPLICATION NUMBER: US/10/691,672A
; CURRENT FILING DATE: 2003-10-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 6
; LENGTH: 41
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(41)
; OTHER INFORMATION: MSP3d
US-10-691-672A-6

Query Match      68.7%; Score 101; DB 5; Length 41;
Best Local Similarity 100.0%; Pred. No. 4.6e-06;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 MLSHLYVSSKDKENISKEND 28
Db      1 MLSHLYVSSKDKENISKEND 20

RESULT 15
US-10-437-963-161536
; Sequence 161536, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 161536
; LENGTH: 199
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
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; OTHER INFORMATION: Clone ID: PAT_MRT4530_60710C.1.pap
US-10-437-963-161536
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Query Match      36.7%; Score 54; DB 4; Length 199;
Best Local Similarity 33.3%; Pred. No. 42;
Matches 9; Conservative 9; Mismatches 9; Indels 0; Gaps 0;
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QY      2 EHKKEENMLSHLYVSSKDKENISKEND 28
Db      131 EHEENQKRLQLLELKNKDIESLKKQND 157
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Search completed: November 22, 2005, 20:54:01
Job time : 81.9917 secs
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THE POPE HOTEL (1910)

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: November 22, 2005, 20:20:23 ; Search time 17.5868 Seconds  
(without alignments)  
131.628 Million cell updates/sec

Title: US-10-774-602-13

Perfect score: 147

Sequence: 1 PEHKKENMLSHLYVSSKOKENISKEND 28

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:\*

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- 2: /cgn2\_6/ptodata/1/iaa/6\_COMB.pep.\*
- 3: /cgn2\_6/ptodata/1/iaa/H\_COMB.pep.\*
- 4: /cgn2\_6/ptodata/1/iaa/PCTUS\_COMB.pep.\*
- 5: /cgn2\_6/ptodata/1/iaa/RE\_COMB.pep.\*
- 6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	143	97.3	28	2	US-08-416-711-4
2	143	97.3	28	2	US-09-356-497-4
3	143	97.3	28	2	US-10-238-741-4
4	143	97.3	64	2	US-08-416-711-1
5	143	97.3	64	2	US-09-356-497-1
6	143	97.3	64	2	US-10-238-741-1
7	58	39.5	121	2	US-09-270-767-35885
8	58	39.5	121	2	US-09-270-767-51102
9	48.5	33.0	189	2	US-09-710-279-2692
10	48.5	33.0	652	1	US-08-261-663A-6
11	48.5	33.0	652	2	US-09-357-206A-5
12	48.5	33.0	652	2	US-09-813-742A-5
13	48.5	33.0	652	2	PCT-US95-07754A-6
14	48.5	33.0	746	2	US-09-134-001C-3214
15	48	32.7	87	2	US-09-107-433-4959
16	47.5	32.3	68	2	US-09-621-976-7228
17	47.5	32.3	68	2	US-09-621-976-7229
18	47.5	32.3	68	2	US-09-621-976-7234
19	47.5	32.3	72	2	US-09-248-796A-17147
20	47.5	32.3	128	2	US-09-513-999C-7954
21	47.5	32.3	128	2	US-09-513-999C-7955
22	47.5	32.3	128	2	US-09-327-750F-31
23	47.5	32.3	404	2	US-09-710-279-398
24	47.5	32.3	644	2	US-09-710-279-1436
25	47.5	32.3	889	1	US-08-118-101A-4
26	47.5	32.3	1073	2	US-09-541-782-6
27	47.5	32.3	1073	2	US-09-723-820-6

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Sequence 5106, Ap  
Sequence 3159, Ap  
Sequence 5, Appli  
Sequence 18611, A  
Sequence 3, Appli  
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Sequence 3, Appli  
Sequence 32376, A  
Sequence 47593, A  
Sequence 3897, Ap  
Sequence 13, Appli  
Sequence 1319, Ap  
Sequence 50, Appli  
Sequence 50, Appli  
Sequence 214, App  
Sequence 197, App

#### ALIGNMENTS

RESULT 1  
US-08-416-711-4  
; Sequence 4, Application US/08416711  
; Patent No. 6017538  
; GENERAL INFORMATION:  
; APPLICANT: DRULHE, PIERRE  
; APPLICANT: BOUHAROUN-TAYOUN, HASNAQ  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING  
; TITLE OF INVENTION: PROTECTIVE ANTIBODIES  
; NUMBER OF SEQUENCES: 10  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
; ADDRESSEE: P.C.  
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22202  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA: US/08/416,711  
; FILING DATE: 08-AUG-1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA: PCT/FR93/01024  
; FILING DATE: 18-OCT-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: FR 92/12488  
; FILING DATE: 19-OCT-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: OBLON NORMAN F.  
; REGISTRATION NUMBER: 24,618  
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-413-3000  
; TELEFAX: 703-413-2220  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 28 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-416-711-4

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; Patent No. 6949627
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
;              BOUHAROUN-TAYOUN, HASNAQ
;              OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
;              PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSES: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
;              P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/238,741
; FILING DATE: 09-NOV-1992
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/356,497
; FILING DATE: 19-JUL-1999
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-238-741-4
Query Match          97.3%; Score 143; DB 2; Length 28;
Best Local Similarity 96.4%; Pred.No.1.5e-14;
Matches 27; Conservative 1; Mismatches 0; Indels 0;

QY      1 PEKKEENMLSHLYSSKDKENISKEND 28
        |||||||
DB      1 PEKKEENMLSHLYSSKDKENISKENE 28
        |||||||

RESULT 4
US-08-416-711-1
; Sequence 1, Application US/08416711
; Patent No. 6017538
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; APPLICANT: BOUHAROUN-TAYOUN, HASNAQ
; APPLICANT: OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; TITLE OF INVENTION: PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSES: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,

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; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 64 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
; US-09-356-497-1
;
; Query Match 97.3%; Score 143; DB 2; Length 64;
; Best Local Similarity 96.4%; Pred. No. 3.9e-14;
; Matches 27; Conservative 1; Mismatches 0; Indels 0;
;
; Qy 1 PEHKKEENMLSHLYVSSKDKENISKEND 28
; Db 37 PEHKKEENMLSHLYVSSKDKENISKENE 64
;
; RESULT 6
; US-10-238-741-1
; Sequence 1, Application US/10238741
; Patent No. 6949627
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; BOUHAROUN-TAYOUN, HASNAQ
; OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSES: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT,
; P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/238,741
; FILING DATE: 09-No. 6949627-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/356,497
; FILING DATE: 19-Jul-1999
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.

```

Query Match	39.5%; Score 58; DB 2; Length 121;
Best Local Similarity	50.0%; Pred. No. 0.38;
Matches 11; Conservative	5; Mismatches 6; Indels 0; Gaps 0;
QY	7 ENMLSHLYVSSKDKENISKEND 28
DB	84 KNIFSHLYVISEXKSNIYQSN 105
<p>RESULT 9</p> <p>US-09-710-279-2692</p> <p>; Sequence 2692, Application US/09710279</p> <p>; Patent No. 6703492</p> <p>; GENERAL INFORMATION:</p> <p>; APPLICANT: KIMBERLY, WILLIAM JOHN</p> <p>; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS</p> <p>; FILE REFERENCE: PU3480US</p> <p>; CURRENT APPLICATION NUMBER: US/09/710,279</p> <p>; CURRENT FILING DATE: 2000-11-09</p> <p>; PRIOR APPLICATION NUMBER: 60/164,258</p> <p>; PRIOR FILING DATE: 1999-11-09</p> <p>; NUMBER OF SEQ ID NOS: 4472</p> <p>; SOFTWARE: PatentIn Ver. 2.1</p> <p>; SEQ ID NO 2692</p> <p>; LENGTH: 189</p> <p>; TYPE: PRT</p> <p>; ORGANISM: Artificial Sequence</p> <p>; FEATURE:</p> <p>; OTHER INFORMATION: Description of Artificial Sequence: synthetic</p> <p>US-09-710-279-2692</p>	
Query Match	33.0%; Score 48.5; DB 2; Length 189;
Best Local Similarity	42.9%; Pred. No. 17;
Matches 12; Conservative	5; Mismatches 8; Indels 3; Gaps 1;
QY	1 PEHKKEENMLSHLYVSSKDKENISKEND 28
DB	88 POLYEDVWSS---ISSKGDGDFKKPND 112
<p>RESULT 10</p> <p>US-08-261-663A-6</p> <p>; Sequence 6, Application US/08261663A</p> <p>; Patent No. 5571706</p> <p>; GENERAL INFORMATION:</p> <p>; APPLICANT: Baker, Barbara J</p> <p>; APPLICANT: Whitham, Steven A</p> <p>; TITLE OF INVENTION: Plant Virus Resistance Gene and Methods</p> <p>; NUMBER OF SEQUENCES: 6</p> <p>; CORRESPONDENCE ADDRESS:</p> <p>; ADDRESSER: Margaret A. Connor, USDA-ARS</p> <p>; STREET: 800 Buchanan Street</p> <p>; CITY: Albany</p> <p>; STATE: CA</p> <p>; COUNTRY: USA</p> <p>; ZIP: 94710</p> <p>; COMPUTER READABLE FORM:</p> <p>; MEDIUM TYPE: Floppy disk</p> <p>; COMPUTER: IBM PC compatible</p> <p>; OPERATING SYSTEM: PC-DOS/MS-DOS</p> <p>; SOFTWARE: PatentIn Release #1.0, Version #1.25</p> <p>; CURRENT APPLICATION NUMBER:</p> <p>; APPLICATION NUMBER: US/08/261.663A</p> <p>; FILING DATE:</p> <p>; CLASSIFICATION: 800</p> <p>; ATTORNEY/AGENT INFORMATION:</p> <p>; NAME: Connor, Margaret A</p> <p>; REGISTRATION NUMBER: 30043</p> <p>; REFERENCE/DOCKET NUMBER: 0094.94</p> <p>; TELECOMMUNICATION INFORMATION:</p> <p>; TELEPHONE: (510) 559-6067</p> <p>; TELEFAX: (510) 559-5777</p>	



; INFORMATION FOR SEQ ID NO: 6:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 652 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-261-663A-6

Query Match 33.0%; Score 48.5; DB 1; Length 652;

Best Local Similarity 50.0%; Pred. No. 73;

Matches 11; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

QY 8 NMLSHLYVSSKOKENIS-KEND 28

DB 606 NSLRHLWTETKKNNIAKEGD 627

RESULT 11

US-09-357-206A-5

; Sequence 5, Application US/09357206A

; Patent No. 6372962

; GENERAL INFORMATION:

; APPLICANT: Dinesh-Kumar, S.

; APPLICANT: Baker, Barbara

; TITLE OF INVENTION: Pathogen Resistance in Plants using cDNA-N/Intron Constructs

; FILE REFERENCE: 042250/191805 (5830-5)

; CURRENT APPLICATION NUMBER: US/09/357,206A

; CURRENT FILING DATE: 1999-07-20

; PRIOR APPLICATION NUMBER: US 60/093,494

; PRIOR FILING DATE: 1998-07-20

; NUMBER OF SEQ ID NOS: 22

; SOFTWARE: Patent in version 3.0

; SEQ ID NO 5

; LENGTH: 652

; TYPE: PRT

; ORGANISM: Nicotiana glutinosa

US-09-357-206A-5

Query Match 33.0%; Score 48.5; DB 2; Length 652;

Best Local Similarity 50.0%; Pred. No. 73;

Matches 11; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

QY 8 NMLSHLYVSSKOKENIS-KEND 28

DB 606 NSLRHLWTETKKNNIAKEGD 627

RESULT 12

US-09-813-742A-5

; Sequence 5, Application US/09813742A

; Patent No. 6630618

; GENERAL INFORMATION:

; APPLICANT: Baker, Barbara J

; APPLICANT: Dinesh-Kumar, S.P.

; TITLE OF INVENTION: NON-PATHOGEN INDUCED SYSTEMIC ACQUIRED RESISTANCE (SAR) IN PLANTS

; FILE REFERENCE: 42250/209601 (5830-12)

; CURRENT APPLICATION NUMBER: US/09/813,742A

; CURRENT FILING DATE: 2001-03-21

; PRIOR APPLICATION NUMBER: 60/131,027

; PRIOR FILING DATE: 2000-03-21

; NUMBER OF SEQ ID NOS: 11

; SOFTWARE: Patent in version 3.1

; SEQ ID NO 5

; LENGTH: 652

; TYPE: PRT

; ORGANISM: Nicotiana glutinosa

US-09-813-742A-5

Query Match 33.0%; Score 48.5; DB 2; Length 652;

Best Local Similarity 50.0%; Pred. No. 73;

Matches 11; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

QY 8 NMLSHLYVSSKOKENIS-KEND 28

DB 606 NSLRHLWTETKKNNIAKEGD 627

RESULT 13

PCT-US95-07754A-6

; Sequence 6, Application PC/TUS9507754A

; GENERAL INFORMATION:

; APPLICANT: Baker, Barbara J

; APPLICANT: Whitham, Steven A

; TITLE OF INVENTION: Plant Virus Resistance Gene and Methods

; NUMBER OF SEQUENCES: 6

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Margaret A. Connor, USDA-ARS

; STREET: 800 Buchanan Street

; CITY: Albany

; STATE: CA

; COUNTRY: USA

; ZIP: 94710

; COMPUTER READABLE FORM: disk

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: PCT/US95/07754A

; FILING DATE:

; CLASSIFICATION:

; ATTORNEY/AGENT INFORMATION:

; NAME: Connor, Margaret A

; REGISTRATION NUMBER: 30043

; REFERENCE/DOCKET NUMBER: 0094.94

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (510) 559-6067

; TELEFAX: (510) 559-5777

; INFORMATION FOR SEQ ID NO: 6:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 652 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

PCT-US95-07754A-6

Query Match 33.0%; Score 48.5; DB 4; Length 652;

Best Local Similarity 50.0%; Pred. No. 73;

Matches 11; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

QY 8 NMLSHLYVSSKOKENIS-KEND 28

DB 606 NSLRHLWTETKKNNIAKEGD 627

RESULT 14

US-09-134-001C-3214

; Sequence 3214, Application US/09134001C

; Patent No. 6380370

; GENERAL INFORMATION:

; APPLICANT: Lynn Doucette-Stamm et al

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS

; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS

; FILE REFERENCE: GTC-007

; CURRENT APPLICATION NUMBER: US/09/134,001C

; CURRENT FILING DATE: 1998-08-13

; PRIOR APPLICATION NUMBER: US 60/064,964

; PRIOR FILING DATE: 1997-11-08

; PRIOR APPLICATION NUMBER: US 60/055,779

; PRIOR FILING DATE: 1997-08-14

; NUMBER OF SEQ ID NOS: 5674

; SEQ ID NO 3214

; LENGTH: 746

; TYPE: PRT

; ORGANISM: Staphylococcus epidermidis

US-09-134-001C-3214

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Query Match          33.0%; Score 48.5; DB 2; Length 746;
Best Local Similarity 42.9%; Pred.No. 86;
Matches 12; Conservative 5; Mismatches 8; Indels 3; Gaps 1;

QY      1 PEHKKENMLSHLYVSSKKDENISKEND 28
        :|:|:|:|:|:|:|:|:|:|:|:|:|
DB      645 PQDYEDVMSS---ISSKGGEDFKKPND 669

RESULT 15
US-09-107-433-4959
; Sequence 4959, Application US/09107433
; Patent No. 6800744
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID
; SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE
; THERAPEUTICS
; NUMBER OF SEQUENCES: 5206
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD/ROM ISO9660
; COMPUTER: <Unknown>
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: <Unknown>
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,433
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/ 085131
; FILING DATE: May 12, 1998
; APPLICATION NUMBER: 60/051553
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 4959:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 87 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Streptococcus pneumoniae
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...87
; SEQUENCE DESCRIPTION: SEQ ID NO: 4959:
US-09-107-433-4959

Query Match          32.7%; Score 48; DB 2; Length 87;
Best Local Similarity 40.9%; Pred.No. 7.8;
Matches 9; Conservative 5; Mismatches 8; Indels 0; Gaps 0;

QY      6 EENMLSHLYVSSKKDENISKEN 27
        :|:|:|:|:|:|:|:|:|:|
DB      1 KENVMSERRISEKSELENLRKSN 22

Search completed: November 22, 2005, 20:26:19
Job time : 18.5868 secs

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Result No.	Score	Query Match	Length	DB	ID	Description	§
1	43	28.7	501	1	US-10-630-203-25	Sequence 25, Appl	
2	41.5	27.7	751	7	US-11-012-762-26	Sequence 26, Appl	
3	41	27.3	501	1	US-10-630-203-27	Sequence 27, Appl	
4	41	27.3	501	1	US-10-630-203-28	Sequence 28, Appl	
5	40.5	27.0	423	1	US-10-467-962B-85	Sequence 85, Appl	
6	39	26.0	429	1	US-10-967-457-74	Sequence 74, Appl	
7	39	26.0	672	7	US-11-004-057-2	Sequence 2, Appl	
8	39	26.0	1302	7	US-11-004-057-6	Sequence 6, Appl	
9	39	26.0	1493	7	US-11-004-057-4	Sequence 4, Appl	
10	38.5	25.7	452	1	US-10-467-962B-14	Sequence 14, Appl	
11	38.5	25.7	695	7	US-11-038-284-34	Sequence 34, Appl	
12	38.5	25.7	1001	1	US-10-467-962B-81	Sequence 81, Appl	
13	38	25.3	288	1	US-10-131-826A-316	Sequence 316, Appl	
14	37	24.7	210	7	US-11-038-284-25	Sequence 25, Appl	
15	37	24.7	309	1	US-10-510-386-84	Sequence 84, Appl	
16	37	24.7	457	1	US-10-982-545-8	Sequence 8, Appl	
17	37	24.7	457	1	US-10-982-545-13	Sequence 13, Appl	
18	37	24.7	612	1	US-10-518-018-1	Sequence 1, Appl	
19	37	24.7	874	1	US-10-510-386-28	Sequence 28, Appl	
20	37	24.7	1047	1	US-10-510-386-200	Sequence 200, Appl	
21	36.5	24.3	256	1	US-10-510-386-112	Sequence 112, Appl	
22	36	24.0	38	1	US-10-986-501-373	Sequence 373, Appl	
23	36	24.0	319	7	US-11-109-156-38	Sequence 38, Appl	
24	36	24.0	323	7	US-11-109-156-37	Sequence 37, Appl	
25	36	24.0	480	1	US-10-510-386-12	Sequence 12, Appl	

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; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 26
; LENGTH: 751
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-012-762-26

Query Match      27.7%; Score 41.5; DB 7; Length 751;
Best Local Similarity 44.4%; Pred. No. 18;
Matches 12; Conservative 2; Mismatches 8; Indels 5; Gaps 2;

QY 6 SYDYILGWFEFG--GVPE---HKKEEN 27
Db 14 SSGYSNGWSPGGSGVPSGPVHKLEKS 40

RESULT 3
US-10-630-203-27
; Sequence 27, Application US/10630203
; Publication No. US20050250663A1
; GENERAL INFORMATION:
; APPLICANT: Novozymes A/S
; APPLICANT: Thisted, Thomas
; APPLICANT: Kjaerulff, Soren
; APPLICANT: Andersen, Carsten
; APPLICANT: Fuglsang, Claus Crone
; TITLE OF INVENTION: Alpha-amylase mutants with altered properties
; FILE REFERENCE: 10062.200-US
; CURRENT APPLICATION NUMBER: US/10/630,203
; CURRENT FILING DATE: 2003-07-29
; PRIOR FILING DATE: 2001-07-31
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 27
; LENGTH: 501
; TYPE: PRT
; ORGANISM: Bacillus sp.
US-10-630-203-27

Query Match      27.3%; Score 41; DB 1; Length 501;
Best Local Similarity 37.5%; Pred. No. 14;
Matches 9; Conservative 4; Mismatches 11; Indels 0; Gaps 0;

QY 2 KEASSDYILGWFEFGGVPEHKKE 25
Db 209 EENGNYDYLGSNIDFSHPEVQDE 232

RESULT 4
US-10-630-203-28
; Sequence 28, Application US/10630203
; Publication No. US20050250663A1
; GENERAL INFORMATION:
; APPLICANT: Novozymes A/S
; APPLICANT: Thisted, Thomas
; APPLICANT: Kjaerulff, Soren
; APPLICANT: Andersen, Carsten
; APPLICANT: Fuglsang, Claus Crone
; TITLE OF INVENTION: Alpha-amylase mutants with altered properties
; FILE REFERENCE: 10062.200-US
; CURRENT APPLICATION NUMBER: US/10/630,203
; CURRENT FILING DATE: 2003-07-29
; PRIOR FILING DATE: 2001-07-31
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28
; LENGTH: 501
; TYPE: PRT
; ORGANISM: Bacillus sp
US-10-630-203-28

Query Match      26.0%; Score 39; DB 1; Length 429;
Best Local Similarity 85.7%; Pred. No. 23;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 16 GGVPEH 22
|||:||||
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; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 26
; LENGTH: 751
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-012-762-26

Query Match      27.3%; Score 41; DB 1; Length 501;
Best Local Similarity 37.5%; Pred. No. 14;
Matches 9; Conservative 4; Mismatches 11; Indels 0; Gaps 0;

QY 2 KEASSDYILGWFEFGGVPEHKKE 25
Db 209 EENGNYDYLGSNIDFSHPEVQDE 232

RESULT 5
US-10-467-962B-85
; Sequence 85, Application US/10467962B
; Publication No. US20050246784A1
; GENERAL INFORMATION:
; APPLICANT: Plesch, Gunnar
; APPLICANT: Blau, Astrid
; APPLICANT: Daeschner, Klaus
; APPLICANT: Klein, Mathieu
; TITLE OF INVENTION: Identification of Herbicidically Active Substances
; FILE REFERENCE: 2000 857
; CURRENT APPLICATION NUMBER: US/10/467,962B
; CURRENT FILING DATE: 2003-08-14
; PRIOR APPLICATION NUMBER: PCT/EP02/01466
; PRIOR FILING DATE: 2002-02-13
; NUMBER OF SEQ ID NOS: 109
; SOFTWARE: PatentIn Vers. 2.0
; SEQ ID NO 85
; LENGTH: 423
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-467-962B-85

Query Match      27.0%; Score 40.5; DB 1; Length 423;
Best Local Similarity 29.0%; Pred. No. 14;
Matches 9; Conservative 9; Mismatches 8; Indels 5; Gaps 1;

QY 1 AKEASSDYILGW-----EFGGVPEHKKEE 26
|||:|||||:|||||:
Db 380 AQNLTFFLYGLVDQLRELGRVPLYKKKK 410

RESULT 6
US-10-967-457-74
; Sequence 74, Application US/10967457
; Publication No. US20050244931A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF545PCT
; CURRENT APPLICATION NUMBER: US/10/967,457
; CURRENT FILING DATE: 2004-10-19
; PRIOR APPLICATION NUMBER: US/09/833,041
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/229,358
; PRIOR FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: 60/256,931
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/199,384
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 74
; LENGTH: 429
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-967-457-74

Query Match      26.0%; Score 39; DB 1; Length 429;
Best Local Similarity 85.7%; Pred. No. 23;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 16 GGVPEH 22
|||:||||
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Db 45 GGGLPEH 51

RESULT 7
US-11-004-057-2
; Sequence 2, Application US/11004057
; Publication No. US20050244846A1
; GENERAL INFORMATION:
; APPLICANT: Johnson, Gary L.
; TITLE OF INVENTION: MEK1 PROTEINS AND FRAGMENTS THEREOF FOR USE IN REGULATING
; FILE OF INVENTION: APOPTOSIS
; FILE REFERENCE: CPI-042CPC
; CURRENT APPLICATION NUMBER: US/11/004,057
; PRIOR FILING DATE: 2004-12-02
; PRIOR APPLICATION NUMBER: US/09/403,075
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 672
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-004-057-2

Query Match 26.0%; Score 39; DB 7; Length 672;
Best Local Similarity 41.2%; Pred. No. 36;
Matches 7; Conservative 3; Mismatches 7; Indels 0; Gaps 0;

QY 3 EASSYDYLGWFGGVS 19
Db 475 EKSNNLFIEMWAGGSV 491

RESULT 8
US-11-004-057-6
; Sequence 6, Application US/11004057
; Publication No. US20050244846A1
; GENERAL INFORMATION:
; APPLICANT: Johnson, Gary L.
; TITLE OF INVENTION: MEK1 PROTEINS AND FRAGMENTS THEREOF FOR USE IN REGULATING
; FILE OF INVENTION: APOPTOSIS
; FILE REFERENCE: CPI-042CPC
; CURRENT APPLICATION NUMBER: US/11/004,057
; CURRENT FILING DATE: 2004-12-02
; PRIOR APPLICATION NUMBER: US/09/403,075
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 1302
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-004-057-6

Query Match 26.0%; Score 39; DB 7; Length 1302;
Best Local Similarity 41.2%; Pred. No. 71;
Matches 7; Conservative 3; Mismatches 7; Indels 0; Gaps 0;

QY 3 EASSYDYLGWFGGVS 19
Db 1105 EKSNNLFIEMWAGGSV 1121

RESULT 9
US-11-004-057-4
; Sequence 4, Application US/11004057
; Publication No. US20050244846A1
; GENERAL INFORMATION:
; APPLICANT: Johnson, Gary L.
; TITLE OF INVENTION: MEK1 PROTEINS AND FRAGMENTS THEREOF FOR USE IN REGULATING
; FILE OF INVENTION: APOPTOSIS
; FILE REFERENCE: CPI-042CPC
; CURRENT APPLICATION NUMBER: US/11/004,057
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; CURRENT FILING DATE: 2004-12-02
; PRIOR APPLICATION NUMBER: US/09/403,075
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 1493
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-004-057-4

Query Match 26.0%; Score 39; DB 7; Length 1493;
Best Local Similarity 41.2%; Pred. No. 81;
Matches 7; Conservative 3; Mismatches 7; Indels 0; Gaps 0;

QY 3 EASSYDYLGWFGGVS 19
Db 1296 EKSNNLFIEMWAGGSV 1312

RESULT 10
US-10-467-962B-14
; Sequence 14, Application US/10467962B
; Publication No. US20050246784A1
; GENERAL INFORMATION:
; APPLICANT: Plesch, Gunnar
; APPLICANT: Blau, Astrid
; APPLICANT: Daeschner, Klaus
; APPLICANT: Klein, Mathieu
; TITLE OF INVENTION: Identification of Herbicidally Active Substances
; FILE REFERENCE: 2000-857
; CURRENT APPLICATION NUMBER: US/10/467,962B
; CURRENT FILING DATE: 2003-08-14
; PRIOR APPLICATION NUMBER: PCT/EP02/01466
; PRIOR FILING DATE: 2002-02-13
; NUMBER OF SEQ ID NOS: 109
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14
; LENGTH: 452
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-467-962B-14

Query Match 25.7%; Score 38.5; DB 1; Length 452;
Best Local Similarity 46.2%; Pred. No. 29;
Matches 12; Conservative 3; Mismatches 8; Indels 3; Gaps 2;

QY 2 KEASSY-DYILGWFGGVPHEKKE 26
Db 263 KEANYVCDYILGGYDGS--SSTKEE 286

RESULT 11
US-11-038-284-34
; Sequence 34, Application US/11038284
; Publication No. US20050246793A1
; GENERAL INFORMATION:
; APPLICANT: COOKE, DAVID
; APPLICANT: DEBET, MARTINE
; APPLICANT: GIDLEY, MICHAEL, JOHN
; APPLICANT: JOBLING, STEPHEN, ALAN
; APPLICANT: SAFFORD, RICHARD
; APPLICANT: SIDEBOTTOM, CHRISTOPHER, MICHAEL
; APPLICANT: WESTCOTT, ROGER, JOHN
; TITLE OF INVENTION: IMPROVEMENTS IN OR RELATING TO PLANT STARCH COMPOSITION
; FILE REFERENCE: 054163-5003-US
; CURRENT APPLICATION NUMBER: US/11/038,284
; CURRENT FILING DATE: 2005-01-21
; PRIOR APPLICATION NUMBER: US/10/056,454
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: PCT/GB96/01075
; PRIOR FILING DATE: 1996-05-03
; PRIOR APPLICATION NUMBER: GB 9607409.1
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; PRIOR FILING DATE: 1996-04-10
; PRIOR APPLICATION NUMBER: GB 9509229.2
; PRIOR FILING DATE: 1995-05-05
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 34
; LENGTH: 695
; TYPE: PRT
; ORGANISM: Solanum tuberosum
US-11-038-284-34

Query Match      25.7%; Score 38.5; DB 7; Length 695;
Best Local Similarity 33.3%; Pred. No. 44;
Matches 12; Conservative 0; Mismatches 3; Indels 21; Gaps 2;

QY 7 YDYILG---WEGG-----GVPE 21
DB 621 YRVALGSDAWEFGHGRAGHDVHFTSPGIGVPE 656

RESULT 12
US-10-467-962B-81
; Sequence 81, Application US/10467962B
; Publication No. US20050246784A1
; GENERAL INFORMATION:
; APPLICANT: Plesch, Gunnar
; APPLICANT: Blau, Astrid
; APPLICANT: Daeschner, Klaus
; TITLE OF INVENTION: Identification of Herbicidally Active Substances
; FILE REFERENCE: 2000 857
; CURRENT APPLICATION NUMBER: US/10/467,962B
; PRIOR FILING DATE: 2003-08-14
; PRIOR APPLICATION NUMBER: PCT/EP02/01466
; PRIOR FILING DATE: 2002-02-13
; NUMBER OF SEQ ID NOS: 109
; SOFTWARE: PatentIn Vers. 2.0
; SEQ ID NO 81
; LENGTH: 1001
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-467-962B-81

Query Match      25.7%; Score 38.5; DB 1; Length 1001;
Best Local Similarity 38.1%; Pred. No. 64;
Matches 8; Conservative 3; Mismatches 7; Indels 3; Gaps 1;

QY 10 ILGWFEFGGV---PEHKKEEN 27
DB 575 LVGWSIGGAVGAYPDWLPEN 595

RESULT 13
US-10-131-826A-316
; Sequence 316, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 316
; LENGTH: 288
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-316

Query Match      25.3%; Score 38; DB 1; Length 288;
Best Local Similarity 41.2%; Pred. No. 22;
Matches 7; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

QY 3 EASSYDYILGWFEFGGV 19
DB 260 EAAAHKYGIDWASGRGV 276

RESULT 14
US-11-038-284-25
; Sequence 25, Application US/11038284
; Publication No. US20050246793A1
; GENERAL INFORMATION:
; APPLICANT: COOKE, DAVID
; APPLICANT: DEBET, MARTINE
; APPLICANT: GIDLEY, MICHAEL, JOHN
; APPLICANT: JOBLING, STEPHEN, ALAN
; APPLICANT: SAFFORD, RICHARD
; APPLICANT: SIDEBOTTOM, CHRISTOPHER, MICHAEL
; APPLICANT: WESTCOTT, ROGER, JOHN
; TITLE OF INVENTION: IMPROVEMENTS IN OR RELATING TO PLANT STARCH COMPOSITION
; FILE REFERENCE: 054163-5003-US
; CURRENT APPLICATION NUMBER: US/11/038,284
; CURRENT FILING DATE: 2005-01-21
; PRIOR APPLICATION NUMBER: US/10/056,454
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: PCT/GB96/01075
; PRIOR FILING DATE: 1996-05-03
; PRIOR APPLICATION NUMBER: GB 9607409.1
; PRIOR FILING DATE: 1996-04-10
; PRIOR APPLICATION NUMBER: GB 9509229.2
; PRIOR FILING DATE: 1995-05-05
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 25
; LENGTH: 210
; TYPE: PRT
; ORGANISM: Solanum tuberosum
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US-11-038-284-25

Query Match 24.7%; Score 37; DB 7; Length 210;  
Best Local Similarity 33.3%; Pred. No. 22;  
Matches 9; Conservative 0; Mismatches 0; Indels 18; Gaps 1;

QY 13 WFEFG-----GVPE 21  
Db 148 WFGHGRAGHDVDFHTSPGIGVPE 174

RESULT 15

US-10-510-386-84  
; Sequence 84, Application US/10510386  
; Publication No. US20050244922A1  
; GENERAL INFORMATION:  
; APPLICANT: Andersen, Jens Tonne  
; APPLICANT: Clausen, Ib Groth  
; APPLICANT: Jorgensen, Steen Troels  
; APPLICANT: Olsen, Peter Bjarke  
; APPLICANT: Rasmussen, Michael Dolberg  
; TITLE OF INVENTION: Improved Bacillus Host Cell  
; FILE REFERENCE: 10294.204-US  
; CURRENT APPLICATION NUMBER: US/10/510,386  
; CURRENT FILING DATE: 2004-10-04  
; NUMBER OF SEQ ID NOS: 248  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 84  
; LENGTH: 309  
; TYPE: PRT  
; ORGANISM: Bacillus licheniformis  
US-10-510-386-84

Query Match 24.7%; Score 37; DB 1; Length 309;  
Best Local Similarity 36.0%; Pred. No. 32;  
Matches 9; Conservative 6; Mismatches 8; Indels 2; Gaps 1;

QY 1 AXEASSYDYLGWFEFGGVPEHKKE 25  
Db 236 ADEAA--DLLNEYQYAGGLTEKNE 258

Search completed: November 22, 2005, 20:54:15  
Job time : 2.78512 secs

THE PAGE BOOK (1891)



GenCore version 5.1.6  
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# OM protein - protein search, using sw model

Run on: November 22, 2005, 20:24:49 ; Search time 78.0992 Seconds  
(without alignments)  
144.450 Million cell updates/sec

Title: US-10-774-602-12

Perfect score: 150

Sequence: 1 AKEASSYDYLGWFGGVPHEHKEEN 27

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

## Database :

Published Applications AA\_Main:\*  
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2: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep:\*  
3: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep:\*  
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6: /cgn2\_6/ptodata/1/pubpaa/US11\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	150	100.0	27	4	US-10-294-770-3
2	150	100.0	27	4	US-10-294-770-12
3	150	100.0	27	4	US-10-238-741-3
4	150	100.0	27	4	US-10-774-602-3
5	150	100.0	27	4	US-10-774-602-12
6	150	100.0	27	5	US-10-691-672A-5
7	150	100.0	64	4	US-10-294-770-1
8	150	100.0	64	4	US-10-238-741-1
9	150	100.0	64	4	US-10-774-602-1
10	150	100.0	188	5	US-10-691-672A-7
11	150	100.0	647	5	US-10-691-672A-3
12	146	97.3	169	5	US-10-691-672A-2
13	58	38.7	586	4	US-10-282-122A-51159
14	58	38.7	599	4	US-10-282-122A-49798
15	58	38.7	600	4	US-10-282-122A-48020
16	58	38.7	600	4	US-10-282-122A-50005
17	57	38.0	382	4	US-10-210-115-33
18	57	38.0	382	4	US-10-369-493-691
19	57	38.0	382	4	US-10-282-122A-43296
20	57	38.0	630	5	US-10-450-763-35420
21	56	37.3	126	4	US-10-425-115-233854
22	55	36.7	247	4	US-10-335-977-4888
23	55	36.7	479	3	US-09-881-752A-14
24	55	36.7	479	4	US-10-335-977-4890
25	55	36.7	486	4	US-10-335-977-4891
26	54	36.0	432	4	US-10-437-963-125350
27	52.5	35.0	86	4	US-10-767-701-51357

28	52.5	35.0	111	4	US-10-091-300-35	Sequence 35, Appl
29	52.5	35.0	111	4	US-10-091-300-51	Sequence 51, Appl
30	52.5	35.0	111	5	US-10-482-630-87	Sequence 87, Appl
31	52.5	35.0	111	5	US-10-482-630-103	Sequence 103, Appl
32	52.5	35.0	111	5	US-10-506-997-35	Sequence 35, Appl
33	52.5	35.0	111	5	US-10-506-997-51	Sequence 51, Appl
34	52.5	35.0	594	4	US-10-282-122A-65399	Sequence 65399, A
35	52.5	35.0	602	4	US-10-282-122A-66049	Sequence 66049, A
36	52.5	35.0	602	5	US-10-988-943-30	Sequence 30, Appl
37	52	34.7	378	4	US-10-369-493-360	Sequence 360, App
38	52	34.7	858	4	US-10-369-493-5536	Sequence 5536, Ap
39	52	34.7	858	4	US-10-369-493-5537	Sequence 5537, Ap
40	51.5	34.3	269	3	US-09-888-721-36	Sequence 36, Appl
41	51.5	34.3	282	3	US-09-888-721-38	Sequence 38, Appl
42	51.5	34.3	287	3	US-09-888-721-40	Sequence 40, Appl
43	51.5	34.3	291	3	US-09-888-721-44	Sequence 44, Appl
44	51.5	34.3	296	3	US-09-888-721-42	Sequence 42, Appl
45	51	34.0	66	4	US-10-437-963-106497	Sequence 106497,

## ALIGNMENTS

RESULT 1  
US-10-294-770-3  
; Sequence 3, Application US/10294770  
; Publication No. US20030161840A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
; FILE REFERENCE: 230759US0CIP  
; CURRENT APPLICATION NUMBER: US/10/294,770  
; CURRENT FILING DATE: 2002-11-15  
; PRIOR APPLICATION NUMBER: US 09/356,947  
; PRIOR FILING DATE: 1999-07-19  
; PRIOR APPLICATION NUMBER: US 08/416,711  
; PRIOR FILING DATE: 1995-08-08  
; PRIOR APPLICATION NUMBER: PCT/FR93/01024  
; PRIOR FILING DATE: 1993-10-18  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: Patentn version 3.1  
; SEQ ID NO 3  
; TYPE: PRT  
; LENGTH: 27  
; ORGANISM: Plasmodium falciparum  
US-10-294-770-3

Query Match 100.0%; Score 150; DB 4; Length 27;  
Best Local Similarity 100.0%; Pred. No. 1.9e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AKEASSYDYLGWFGGVPHEHKEEN 27  
Db 1 AKEASSYDYLGWFGGVPHEHKEEN 27

RESULT 2  
US-10-294-770-12  
; Sequence 12, Application US/10294770  
; Publication No. US20030161840A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
; FILE REFERENCE: 230759US0CIP  
; CURRENT APPLICATION NUMBER: US/10/294,770  
; CURRENT FILING DATE: 2002-11-15  
; PRIOR APPLICATION NUMBER: US 09/356,947  
; PRIOR FILING DATE: 1999-07-19  
; PRIOR APPLICATION NUMBER: US 08/416,711  
; PRIOR FILING DATE: 1995-08-08  
; PRIOR APPLICATION NUMBER: PCT/FR93/01024  
; PRIOR FILING DATE: 1993-10-18  
; NUMBER OF SEQ ID NOS: 14

; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 12  
; LENGTH: 27  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic Peptide  
US-10-294-770-12

Query Match 100.0%; Score 150; DB 4; Length 27;  
Best Local Similarity 100.0%; Pred. No. 1.9e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AKEASSDYILGWFGGVPPEHKKEN 27  
Db 1 AKEASSDYILGWFGGVPPEHKKEN 27

RESULT 3  
US-10-238-741-3  
; Sequence 3, Application US/10238741  
; Publication No. US20040056466A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; BOUHAROUN-TAYOUN, HASNAQ  
; OEUVRAY, CLAUDE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING  
; PROTECTIVE ANTIBODIES  
; NUMBER OF SEQUENCES: 10  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
; P.C.  
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22202

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/238,741  
; FILING DATE: 09-Nov-2002  
; CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/356,497  
; FILING DATE: 19-Jul-1999  
; APPLICATION NUMBER: US/08/416,711  
; FILING DATE: 08-AUG-1995  
; APPLICATION NUMBER: PCT/FR93/01024  
; FILING DATE: 18-OCT-1993  
; APPLICATION NUMBER: FR 92/12488  
; FILING DATE: 19-OCT-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: OBLON, NORMAN F.  
; REGISTRATION NUMBER: 24,618  
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-413-3000  
; TELEFAX: 703-413-2220  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 27 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:

US-10-238-741-3

Query Match 100.0%; Score 150; DB 4; Length 27;

Best Local Similarity 100.0%; Pred. No. 1.9e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AKEASSDYILGWFGGVPPEHKKEN 27  
Db 1 AKEASSDYILGWFGGVPPEHKKEN 27

RESULT 4  
US-10-774-602-3  
; Sequence 3, Application US/10774602  
; Publication No. US20040141987A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
; FILE REFERENCE: 248791USODIV  
; CURRENT APPLICATION NUMBER: US/10/774,602  
; CURRENT FILING DATE: 2004-02-10  
; PRIOR APPLICATION NUMBER: US 09/356,947  
; PRIOR FILING DATE: 1999-07-19  
; PRIOR APPLICATION NUMBER: US 10/238,741  
; PRIOR FILING DATE: 2002-09-11  
; PRIOR APPLICATION NUMBER: US 08/416,711  
; PRIOR FILING DATE: 1995-08-08  
; PRIOR APPLICATION NUMBER: PCT/FR93/01024  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 3  
; LENGTH: 27  
; TYPE: PRT  
; ORGANISM: Plasmodium falciparum  
US-10-774-602-3

Query Match 100.0%; Score 150; DB 4; Length 27;  
Best Local Similarity 100.0%; Pred. No. 1.9e-14;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AKEASSDYILGWFGGVPPEHKKEN 27  
Db 1 AKEASSDYILGWFGGVPPEHKKEN 27

RESULT 5  
US-10-774-602-12  
; Sequence 12, Application US/10774602  
; Publication No. US20040141987A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
; FILE REFERENCE: 248791USODIV  
; CURRENT APPLICATION NUMBER: US/10/774,602  
; CURRENT FILING DATE: 2004-02-10  
; PRIOR APPLICATION NUMBER: US 09/356,947  
; PRIOR FILING DATE: 1999-07-19  
; PRIOR APPLICATION NUMBER: US 10/238,741  
; PRIOR FILING DATE: 2002-09-11  
; PRIOR APPLICATION NUMBER: US 08/416,711  
; PRIOR FILING DATE: 1995-08-08  
; PRIOR APPLICATION NUMBER: PCT/FR93/01024  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 12  
; LENGTH: 27  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic Peptide  
US-10-774-602-12

Query Match 100.0%; Score 150; DB 4; Length 27;  
Best Local Similarity 100.0%; Pred. No. 1.9e-14;

Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AKEASSYDYLWFGGVPHEKKEEN 27  
 |||||  
 Db 1 AKEASSYDYLWFGGVPHEKKEEN 27

RESULT 6

US-10-691-672A-5  
 ; Sequence 5, Application US/10691672A  
 ; Publication No. US20050112133A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: DRUILHE, PIERRE  
 ; TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND  
 ; FILE REFERENCE: 02356.0085  
 ; CURRENT APPLICATION NUMBER: US/10/691,672A  
 ; CURRENT FILING DATE: 2003-10-24  
 ; NUMBER OF SEQ ID NOS: 13  
 ; SOFTWARE: Patent in Ver. 3.3  
 ; SEQ ID NO 5  
 ; LENGTH: 27  
 ; TYPE: PRT  
 ; ORGANISM: Plasmodium falciparum  
 ; FEATURE:  
 ; NAME/KEY: SITE  
 ; LOCATION: (1)..(27)  
 ; OTHER INFORMATION: MSP3b  
 US-10-691-672A-5

Query Match 100.0%; Score 150; DB 5; Length 27;  
 Best Local Similarity 100.0%; Pred. No. 1.9e-14;  
 Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AKEASSYDYLWFGGVPHEKKEEN 27  
 |||||  
 Db 1 AKEASSYDYLWFGGVPHEKKEEN 27

RESULT 7

US-10-294-770-1  
 ; Sequence 1, Application US/10294770  
 ; Publication No. US20030161840A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: DRUILHE, PIERRE  
 ; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
 ; FILE REFERENCE: 230759USOCIP  
 ; CURRENT APPLICATION NUMBER: US/10/294,770  
 ; CURRENT FILING DATE: 2002-11-15  
 ; PRIOR APPLICATION NUMBER: US 09/356,947  
 ; PRIOR FILING DATE: 1999-07-19  
 ; PRIOR APPLICATION NUMBER: US 08/416,711  
 ; PRIOR FILING DATE: 1995-08-08  
 ; PRIOR APPLICATION NUMBER: PCT/FR93/01024  
 ; PRIOR FILING DATE: 1993-10-18  
 ; NUMBER OF SEQ ID NOS: 14  
 ; SOFTWARE: Patent in version 3.1  
 ; SEQ ID NO 1  
 ; LENGTH: 64  
 ; TYPE: PRT  
 ; ORGANISM: Plasmodium falciparum  
 US-10-294-770-1

Query Match 100.0%; Score 150; DB 4; Length 64;  
 Best Local Similarity 100.0%; Pred. No. 4.8e-14;  
 Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AKEASSYDYLWFGGVPHEKKEEN 27  
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 Db 18 AKEASSYDYLWFGGVPHEKKEEN 44

RESULT 8

US-10-238-741-1  
 ; Sequence 1, Application US/10238741  
 ; Publication No. US2004009466A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: DRUILHE, PIERRE  
 ; BOUHAROUN-TAYOUN, HASNAQ  
 ; OEUVRAY, CLAUDE  
 ; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING  
 ; PROTECTIVE ANTIBODIES  
 ; NUMBER OF SEQUENCES: 10  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
 ; P.C.  
 ; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
 ; CITY: ARLINGTON  
 ; STATE: VA  
 ; COUNTRY: USA  
 ; ZIP: 22202  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent in Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/10/238,741  
 ; FILING DATE: 09-Nov-2002  
 ; CLASSIFICATION: <Unknown>  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/356,497  
 ; FILING DATE: 19-Jul-1999  
 ; APPLICATION NUMBER: US/08/416,711  
 ; FILING DATE: 08-Aug-1995  
 ; APPLICATION NUMBER: PCT/FR93/01024  
 ; FILING DATE: 18-Oct-1993  
 ; APPLICATION NUMBER: FR 92/12488  
 ; FILING DATE: 19-Oct-1992  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: OBLON, NORMAN F.  
 ; REGISTRATION NUMBER: 24,618  
 ; REFERENCE/DOCKET NUMBER: 660-085-0 PCT  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 703-413-3000  
 ; TELEFAX: 703-413-2220  
 ; INFORMATION FOR SEQ ID NO: 1:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 64 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: peptide  
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
 US-10-238-741-1

Query Match 100.0%; Score 150; DB 4; Length 64;  
 Best Local Similarity 100.0%; Pred. No. 4.8e-14;  
 Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AKEASSYDYLWFGGVPHEKKEEN 27  
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 Db 18 AKEASSYDYLWFGGVPHEKKEEN 44

RESULT 9

US-10-774-602-1  
 ; Sequence 1, Application US/10774602  
 ; Publication No. US20040141987A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: DRUILHE, PIERRE  
 ; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
 ; FILE REFERENCE: 248791USODIV  
 ; CURRENT APPLICATION NUMBER: US/10/774,602  
 ; CURRENT FILING DATE: 2004-02-10  
 ; PRIOR APPLICATION NUMBER: US 09/356,947

Query Match	Best Local Similarity	Score	DB	Length	Indels	Gaps
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Matches	27	Conservative	0	Mismatches	0	Indels
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Db	18	AK	SS	YD	YI	LG
US-10-691-672A-7						
US-10-691-672A-7						
Sequence 7, Application US/10691672A						
Publication No. US20050112133A1						
GENERAL INFORMATION:						
APPLICANT: DRUILHE, PIERRE						
TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND						
FILE REFERENCE: 02356.0085						
CURRENT APPLICATION NUMBER: US/10/691,672A						
CURRENT FILING DATE: 2003-10-24						
NUMBER OF SEQ ID NOS: 13						
SOFTWARE: PatentIn Ver. 3.3						
SEQ ID NO 7						
LENGTH: 188						
TYPE: PRT						
ORGANISM: Plasmodium falciparum						
FEATURE:						
NAME/KEY: SITE						
LOCATION: (1)..(188)						
OTHER INFORMATION: MSP3a to MSP3f						
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Matches	27	Conservative	0	Mismatches	0	Indels
0	0	0	0	0	0	0
Query	1	AK	SS	YD	YI	LG
Db	18	AK	SS	YD	YI	LG
US-10-691-672A-3						
US-10-691-672A-3						
Sequence 3, Application US/10691672A						
Publication No. US20050112133A1						
GENERAL INFORMATION:						
APPLICANT: DRUILHE, PIERRE						
TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND						
FILE REFERENCE: 02356.0085						
CURRENT APPLICATION NUMBER: US/10/691,672A						
CURRENT FILING DATE: 2003-10-24						
NUMBER OF SEQ ID NOS: 13						
SOFTWARE: PatentIn Ver. 3.3						
SEQ ID NO 3						
LENGTH: 647						
TYPE: PRT						
ORGANISM: Artificial Sequence						

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; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 49798
; LENGTH: 599
; TYPE: PRT
; ORGANISM: Burkholderia fungorum
US-10-282-122A-49798

Query Match      38.7%; Score 58; DB 4; Length 599;
Best Local Similarity 54.2%; Pred. No. 12;
Matches 13; Conservative 4; Mismatches 5; Indels 2; Gaps 2;

QY      4 ASSYDYL-GWEFGGG-VPEHKK 25
DB      480 AKAYDVLNGWEIGGSGVRIHREE 503

RESULT 15
US-10-282-122A-48020
; Sequence 48020, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Lianguo
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carz, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA 034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 48020
; LENGTH: 600
; TYPE: PRT
; ORGANISM: Burkholderia cepacia
US-10-282-122A-48020

Query Match      38.7%; Score 58; DB 4; Length 600;

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Best Local Similarity 54.2%; Pred. No. 12;  
Matches 13; Conservative 4; Mismatches 5; Indels 2; Gaps 2;

QY 4 ASSYDYL-GWERGGG-VPEHKKE 25  
Db 480 AKAYDMLNGWEIGGGSVRIHREE 503

Search completed: November 22, 2005, 20:54:00  
Job time : 79.0992 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: November 22, 2005, 20:20:23 ; Search time 16.9587 Seconds  
(without alignments)  
131.628 Million cell updates/sec

Title: US-10-774-602-12  
Perfect score: 150  
Sequence: 1 AKKASSYDILGWFGGVPKHEKEN 27

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:\*

- 1: /cgn2\_6/ptodata/1/iaa/5 COMB.pep:\*
- 2: /cgn2\_6/ptodata/1/iaa/6 COMB.pep:\*
- 3: /cgn2\_6/ptodata/1/iaa/H COMB.pep:\*
- 4: /cgn2\_6/ptodata/1/iaa/PCTUS COMB.pep:\*
- 5: /cgn2\_6/ptodata/1/iaa/RE COMB.pep:\*
- 6: /cgn2\_6/ptodata/1/iaa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	150	100.0	27	2	US-08-416-711-3
2	150	100.0	27	2	US-09-356-497-3
3	150	100.0	27	2	US-10-238-741-3
4	150	100.0	64	2	US-08-416-711-1
5	150	100.0	64	2	US-09-356-497-1
6	150	100.0	64	2	US-10-238-741-1
7	50.5	33.7	597	2	US-09-252-991A-32073
8	49	32.7	490	2	US-09-292-225-41
9	49	32.7	509	2	US-09-292-225-35
10	49	32.7	509	2	US-09-292-225-38
11	48	32.0	306	2	US-09-386-642-53
12	48	32.0	319	2	US-09-386-642-12
13	48	32.0	560	2	US-09-252-991A-22343
14	48	32.0	671	2	US-09-252-991A-19016
15	47.5	31.7	588	2	US-09-710-279-3328
16	47.5	31.7	593	2	US-09-134-001C-3592
17	47	31.3	168	2	US-09-543-681A-6335
18	47	31.3	416	2	US-09-100-664A-9
19	47	31.3	416	2	US-09-335-983-9
20	47	31.3	416	2	US-09-553-867A-9
21	47	31.3	416	2	US-09-553-867A-16
22	47	31.3	416	2	US-09-553-867A-18
23	47	31.3	416	2	US-09-472-112-1
24	47	31.3	416	2	US-09-252-991A-18079
25	47	31.3	416	2	US-09-538-092-1157
26	47	31.3	416	2	US-09-559-867-9
27	47	31.3	416	2	US-09-559-867-16

28	47	31.3	416	2	US-09-559-867-18	Sequence 18, Appl
29	47	31.3	416	2	US-09-771-161A-215	Sequence 215, App
30	47	31.3	416	2	US-09-771-161A-216	Sequence 216, App
31	47	31.3	416	2	US-09-771-161A-217	Sequence 217, App
32	47	31.3	417	2	US-09-949-016-10920	Sequence 10920, A
33	47	31.3	475	2	US-09-270-767-45524	Sequence 45524, A
34	47	31.3	947	2	US-09-252-991A-21398	Sequence 21398, A
35	47	31.3	1390	1	US-08-770-544-2	Sequence 2, Appli
36	47	31.3	1390	2	US-09-579-259-2	Sequence 2, Appli
37	47	31.3	1390	2	US-09-650-324A-2	Sequence 2, Appli
38	47	31.3	1390	2	US-10-039-112A-2	Sequence 2, Appli
39	46.5	31.0	61	2	US-09-248-796A-22248	Sequence 22248, A
40	46.5	31.0	125	2	US-09-270-767-60833	Sequence 60833, A
41	46.5	31.0	233	2	US-09-771-161A-126	Sequence 126, App
42	46.5	31.0	523	2	US-08-606-505B-67	Sequence 67, Appl
43	46.5	31.0	523	2	US-09-616-990-67	Sequence 67, Appl
44	46	30.7	28	2	US-08-416-711-4	Sequence 4, Appli
45	46	30.7	28	2	US-09-356-497-4	Sequence 4, Appli

ALIGNMENTS

RESULT 1  
US-08-416-711-3  
; Sequence 3, Application US/08416711  
; Patent No. 6017538  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; APPLICANT: BOUHAROUN-TAYOUN, HASNAQ  
; APPLICANT: OEUVRAY, CLAUDE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING  
; TITLE OF INVENTION: PROTECTIVE ANTIBODIES  
; NUMBER OF SEQUENCES: 10  
; CORRESPONDENCE ADDRESS:  
; ADDRESSER: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
; ADDRESSER: P.C.  
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22202  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/416,711  
; FILING DATE: 08-AUG-1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/FR93/01024  
; FILING DATE: 18-OCT-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: FR 92/12488  
; FILING DATE: 19-OCT-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: OBLON, NORMAN F.  
; REGISTRATION NUMBER: 24,618  
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-413-3000  
; TELEFAX: 703-413-2220  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 27 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-416-711-3

Query Match 100.0%; Score 150; DB 2; Length 27;  
Best Local Similarity 100.0%; Pred. No. 4.7e-16;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AKEASSYDYLWGFEGGVPEHKKEEN 27  
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Db 1 AKEASSYDYLWGFEGGVPEHKKEEN 27

## RESULT 2

US-09-356-497-3  
; Sequence 3, Application US/09356497  
; Patent No. 6472519  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; BOUHAROUN-TAYOUN, HASNAQ  
; OEUVRAY, CLAUDE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING  
; PROTECTIVE ANTIBODIES  
; NUMBER OF SEQUENCES: 10  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT,  
; P.C.  
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22202

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/356,497  
FILING DATE: 19-Jul-1999  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/416,711  
FILING DATE: 08-AUG-1995  
APPLICATION NUMBER: PCT/FR93/01024  
FILING DATE: 18-OCT-1993  
APPLICATION NUMBER: FR 92/12488  
FILING DATE: 19-OCT-1992

ATTORNEY/AGENT INFORMATION:  
NAME: OBLON, NORMAN F.  
REGISTRATION NUMBER: 24,618  
REFERENCE/DOCKET NUMBER: 660-085-0 PCT  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-413-3000  
TELEFAX: 703-413-2220  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 27 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 3:

US-09-356-497-3  
Query Match 100.0%; Score 150; DB 2; Length 27;  
Best Local Similarity 100.0%; Pred. No. 4.7e-16;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AKEASSYDYLWGFEGGVPEHKKEEN 27  
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Db 1 AKEASSYDYLWGFEGGVPEHKKEEN 27

## RESULT 3

US-10-238-741-3  
; Sequence 3, Application US/10238741

; Patent No. 6949627  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; BOUHAROUN-TAYOUN, HASNAQ  
; OEUVRAY, CLAUDE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING  
; PROTECTIVE ANTIBODIES  
; NUMBER OF SEQUENCES: 10  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT,  
; P.C.  
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22202

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/238,741  
FILING DATE: 09-No. 6949627-2002  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/356,497  
FILING DATE: 19-Jul-1999  
APPLICATION NUMBER: US/08/416,711  
FILING DATE: 08-AUG-1995  
APPLICATION NUMBER: PCT/FR93/01024  
FILING DATE: 18-OCT-1993  
APPLICATION NUMBER: FR 92/12488  
FILING DATE: 19-OCT-1992

ATTORNEY/AGENT INFORMATION:  
NAME: OBLON, NORMAN F.  
REGISTRATION NUMBER: 24,618  
REFERENCE/DOCKET NUMBER: 660-085-0 PCT  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-413-3000  
TELEFAX: 703-413-2220  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 27 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 3:

US-10-238-741-3  
Query Match 100.0%; Score 150; DB 2; Length 27;  
Best Local Similarity 100.0%; Pred. No. 4.7e-16;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AKEASSYDYLWGFEGGVPEHKKEEN 27  
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Db 1 AKEASSYDYLWGFEGGVPEHKKEEN 27

## RESULT 4

US-08-416-711-1  
; Sequence 1, Application US/08416711  
; Patent No. 6017538  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; BOUHAROUN-TAYOUN, HASNAQ  
; OEUVRAY, CLAUDE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING  
; PROTECTIVE ANTIBODIES  
; NUMBER OF SEQUENCES: 10  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT,



ADDRESSEE: P.C.  
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
CITY: ARLINGTON  
STATE: VA  
COUNTRY: USA  
ZIP: 22202  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/416,711  
FILING DATE: 08-AUG-1995  
CLASSIFICATION: 424  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: PCT/FR93/01024  
FILING DATE: 18-OCT-1993  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: FR 92/12488  
FILING DATE: 19-OCT-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: OBLON, NORMAN F.  
REGISTRATION/DOCKET NUMBER: 660-085-0 PCT  
TELEPHONE: 703-413-3000  
TELEFAX: 703-413-2220  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 64 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-416-711-1

Query Match 100.0%; Score 150; DB 2; Length 64;  
Best Local Similarity 100.0%; Pred. No. 1.2e-15;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AKEASSYDYLGWFGGVPHEKKEEN 27  
Db 18 AKEASSYDYLGWFGGVPHEKKEEN 44

RESULT 5  
US-09-356-497-1  
Sequence 1, Application US/09356497  
Patent No. 6472519  
GENERAL INFORMATION:  
APPLICANT: DRUILHE, PIERRE  
BOUHAROUN-TAYOUN, HASNAQ  
OEUVRAY, CLAUDE  
TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING  
PROTECTIVE ANTIBODIES  
NUMBER OF SEQUENCES: 10  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
P.C.  
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
CITY: ARLINGTON  
STATE: VA  
COUNTRY: USA  
ZIP: 22202  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/356,497  
FILING DATE: 19-Jul-1999

CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/416,711  
FILING DATE: 08-AUG-1995  
APPLICATION NUMBER: PCT/FR93/01024  
FILING DATE: 18-OCT-1993  
APPLICATION NUMBER: FR 92/12488  
FILING DATE: 19-OCT-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: OBLON, NORMAN F.  
REGISTRATION/DOCKET NUMBER: 660-085-0 PCT  
TELEPHONE: 703-413-3000  
TELEFAX: 703-413-2220  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 64 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
US-09-356-497-1

Query Match 100.0%; Score 150; DB 2; Length 64;  
Best Local Similarity 100.0%; Pred. No. 1.2e-15;  
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AKEASSYDYLGWFGGVPHEKKEEN 27  
Db 18 AKEASSYDYLGWFGGVPHEKKEEN 44

RESULT 6  
US-10-238-741-1  
Sequence 1, Application US/10238741  
Patent No. 6949627  
GENERAL INFORMATION:  
APPLICANT: DRUILHE, PIERRE  
BOUHAROUN-TAYOUN, HASNAQ  
OEUVRAY, CLAUDE  
TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING  
PROTECTIVE ANTIBODIES  
NUMBER OF SEQUENCES: 10  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
P.C.  
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
CITY: ARLINGTON  
STATE: VA  
COUNTRY: USA  
ZIP: 22202  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/238,741  
FILING DATE: 09-No. 6949627-2002  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/356,497  
FILING DATE: 19-Jul-1999  
APPLICATION NUMBER: US/08/416,711  
FILING DATE: 08-AUG-1995  
APPLICATION NUMBER: PCT/FR93/01024  
FILING DATE: 18-OCT-1993  
APPLICATION NUMBER: FR 92/12488  
FILING DATE: 19-OCT-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: OBLON, NORMAN F.

```
/ ; REGISTRATION NUMBER: 24,618
/ ; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
/ ; TELECOMMUNICATION INFORMATION:
/ ; TELEPHONE: 703-413-3000
/ ; TELEFAX: 703-413-2220
/ ; INFORMATION FOR SEQ ID NO: 1:
/ ; SEQUENCE CHARACTERISTICS:
/ ; LENGTH: 64 amino acids
/ ; TYPE: amino acid
/ ; STRANDEDNESS: single
/ ; TOPOLOGY: linear
/ ; MOLECULE TYPE: peptide
/ ; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-238-741-1

Query Match 100.0%; Score 150; DB 2; Length 64;
Best Local Similarity 100.0%; Pred. No. 1.2e-15;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AKEASSYDYLGWFGGGVPEHKKEEN 27
Db 18 AKEASSYDYLGWFGGGVPEHKKEEN 44

RESULT 7
US-09-252-991A-32073
/ ; Sequence 32073, Application US/09252991A
/ ; Patent No. 6551795
/ ; GENERAL INFORMATION:
/ ; APPLICANT: Marc J. Rubenfield et al.
/ ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
/ ; FILE REFERENCE: 107196.136
/ ; CURRENT APPLICATION NUMBER: US/09/252,991A
/ ; PRIOR FILING DATE: 1999-02-18
/ ; PRIOR APPLICATION NUMBER: US 60/074,788
/ ; PRIOR FILING DATE: 1998-02-18
/ ; PRIOR APPLICATION NUMBER: US 60/094,190
/ ; PRIOR FILING DATE: 1998-07-27
/ ; NUMBER OF SEQ ID NOS: 33142
/ ; SEQ ID NO 32073
/ ; LENGTH: 597
/ ; TYPE: PRT
/ ; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-32073

Query Match 33.7%; Score 50.5; DB 2; Length 597;
Best Local Similarity 44.0%; Pred. No. 23;
Matches 11; Conservative 5; Mismatches 8; Indels 1; Gaps 1;

QY 2 KEASSYDYLGW-EFGGGVPEHKKE 25
Db 563 KPFNAYKHSIGWGDWGGVPEKLE 587

RESULT 8
US-09-292-225-41
/ ; Sequence 41, Application US/09292225
/ ; Patent No. 6455686
/ ; GENERAL INFORMATION:
/ ; APPLICANT: McCall, Catherine A.
/ ; APPLICANT: Hunter, Shirley Wu
/ ; APPLICANT: Weber, Eric R.
/ ; TITLE OF INVENTION: NOVEL DERMATOPHAGOIDES NUCLEIC ACID MOLECULES, PROTEINS
/ ; FILE REFERENCE: AL-2-C3
/ ; CURRENT APPLICATION NUMBER: US/09/292,225
/ ; CURRENT FILING DATE: 1999-04-15
/ ; EARLIER APPLICATION NUMBER: 60/098,909
/ ; EARLIER FILING DATE: 1998-09-02
/ ; EARLIER APPLICATION NUMBER: 60/085,295
/ ; EARLIER FILING DATE: 1998-05-13
/ ; EARLIER APPLICATION NUMBER: 60/098,565
```

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/ ; EARLIER FILING DATE: 1998-04-17
/ ; EARLIER APPLICATION NUMBER: 09/062,013
/ ; EARLIER FILING DATE: 1998-04-17
/ ; NUMBER OF SEQ ID NOS: 49
/ ; SOFTWARE: PatentIn Ver. 2.0
/ ; SEQ ID NO 41
/ ; LENGTH: 490
/ ; TYPE: PRT
/ ; ORGANISM: Dermatophagoides farinae
US-09-292-225-41

Query Match 32.7%; Score 49; DB 2; Length 490;
Best Local Similarity 43.5%; Pred. No. 32;
Matches 10; Conservative 4; Mismatches 7; Indels 2; Gaps 1;

QY 6 SYDYILGW--FGGGVPEHKKEE 26
Db 206 TYDHGHWNVFGHNAPLYKRPD 228

RESULT 9
US-09-292-225-35
/ ; Sequence 35, Application US/09292225
/ ; Patent No. 6455686
/ ; GENERAL INFORMATION:
/ ; APPLICANT: McCall, Catherine A.
/ ; APPLICANT: Hunter, Shirley Wu
/ ; APPLICANT: Weber, Eric R.
/ ; TITLE OF INVENTION: NOVEL DERMATOPHAGOIDES NUCLEIC ACID MOLECULES, PROTEINS
/ ; FILE REFERENCE: AL-2-C3
/ ; CURRENT APPLICATION NUMBER: US/09/292,225
/ ; CURRENT FILING DATE: 1999-04-15
/ ; EARLIER APPLICATION NUMBER: 60/098,909
/ ; EARLIER FILING DATE: 1998-09-02
/ ; EARLIER APPLICATION NUMBER: 60/085,295
/ ; EARLIER FILING DATE: 1998-05-13
/ ; EARLIER APPLICATION NUMBER: 60/098,565
/ ; EARLIER FILING DATE: 1998-04-17
/ ; EARLIER APPLICATION NUMBER: 09/062,013
/ ; EARLIER FILING DATE: 1998-04-17
/ ; NUMBER OF SEQ ID NOS: 49
/ ; SOFTWARE: PatentIn Ver. 2.0
/ ; SEQ ID NO 35
/ ; LENGTH: 509
/ ; TYPE: PRT
/ ; ORGANISM: Dermatophagoides farinae
US-09-292-225-35

Query Match 32.7%; Score 49; DB 2; Length 509;
Best Local Similarity 43.5%; Pred. No. 33;
Matches 10; Conservative 4; Mismatches 7; Indels 2; Gaps 1;

QY 6 SYDYILGW--FGGGVPEHKKEE 26
Db 225 TYDHGHWNVFGHNAPLYKRPD 247

RESULT 10
US-09-292-225-38
/ ; Sequence 38, Application US/09292225
/ ; Patent No. 6455686
/ ; GENERAL INFORMATION:
/ ; APPLICANT: McCall, Catherine A.
/ ; APPLICANT: Hunter, Shirley Wu
/ ; APPLICANT: Weber, Eric R.
/ ; TITLE OF INVENTION: NOVEL DERMATOPHAGOIDES NUCLEIC ACID MOLECULES, PROTEINS
/ ; FILE REFERENCE: AL-2-C3
/ ; CURRENT APPLICATION NUMBER: US/09/292,225
/ ; CURRENT FILING DATE: 1999-04-15
/ ; EARLIER APPLICATION NUMBER: 60/098,909
/ ; EARLIER FILING DATE: 1998-09-02
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; EARLIER APPLICATION NUMBER: 60/085,295  
; EARLIER FILING DATE: 1998-05-13  
; EARLIER APPLICATION NUMBER: 60/098,565  
; EARLIER FILING DATE: 1998-04-17  
; EARLIER APPLICATION NUMBER: 09/062,013  
; EARLIER FILING DATE: 1998-04-17  
; NUMBER OF SEQ ID NOS: 49  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 38  
; LENGTH: 509  
; TYPE: PRT  
; ORGANISM: Dermatophagoides farinae  
US-09-292-225-38

Query Match 32.7%; Score 49; DB 2; Length 509;  
Best Local Similarity 43.5%; Pred. No. 33;  
Matches 10; Conservative 4; Mismatches 7; Indels 2; Gaps 1;

QY 6 SYDYILGWE--FCGGVPEHKKE 26  
Db 225 TYDYGWENVFGHNAPLYKRPD 247  
:||||| :|:|:

RESULT 11  
US-09-386-642-53  
; Sequence 53, Application US/09386642  
; Patent No. 6420157  
; GENERAL INFORMATION:  
; APPLICANT: Darrow, Andrew  
; APPLICANT: Qi, Jensen  
; APPLICANT: Andrade-Gordon, Patricia  
; TITLE OF INVENTION: Zymogen Activation System  
; FILE REFERENCE: ORT-1028  
; CURRENT APPLICATION NUMBER: US/09/386,642  
; CURRENT FILING DATE: 1999-08-31  
; NUMBER OF SEQ ID NOS: 60  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 53  
; LENGTH: 306  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Fusion gene of  
; OTHER INFORMATION: human protease F in CFEK2 zymogen vector  
US-09-386-642-53

Query Match 32.0%; Score 48; DB 2; Length 306;  
Best Local Similarity 44.4%; Pred. No. 27;  
Matches 8; Conservative 6; Mismatches 4; Indels 0; Gaps 0;

QY 10 ILGWFFGGVPEHKKEEN 27  
Db 12 LLGTTFGCGVPDYKDDDD 29  
:||||| :|:|:

RESULT 12  
US-09-386-642-12  
; Sequence 12, Application US/09386642  
; Patent No. 6420157  
; GENERAL INFORMATION:  
; APPLICANT: Darrow, Andrew  
; APPLICANT: Qi, Jensen  
; APPLICANT: Andrade-Gordon, Patricia  
; TITLE OF INVENTION: Zymogen Activation System  
; FILE REFERENCE: ORT-1028  
; CURRENT APPLICATION NUMBER: US/09/386,642  
; CURRENT FILING DATE: 1999-08-31  
; NUMBER OF SEQ ID NOS: 60  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 12  
; LENGTH: 319  
; TYPE: PRT  
; ORGANISM: Artificial Sequence

; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Fusion gene  
; OTHER INFORMATION: with homo sapien serine protease catalytic domain  
US-09-386-642-12

Query Match 32.0%; Score 48; DB 2; Length 319;  
Best Local Similarity 44.4%; Pred. No. 28;  
Matches 8; Conservative 6; Mismatches 4; Indels 0; Gaps 0;

QY 10 ILGWFFGGVPEHKKEEN 27  
Db 12 LLGTTFGCGVPDYKDDDD 29  
:||||| :|:|:

RESULT 13  
US-09-252-991A-22343  
; Sequence 22343, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 22343  
; LENGTH: 560  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-22343

Query Match 32.0%; Score 48; DB 2; Length 560;  
Best Local Similarity 56.2%; Pred. No. 52;  
Matches 9; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 4 ASSDYILGWFFGGV 19  
Db 379 AVSNTYTLNWFSGV 394  
:||||| :|:|:

RESULT 14  
US-09-252-991A-19016  
; Sequence 19016, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 19016  
; LENGTH: 671  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-19016

Query Match 32.0%; Score 48; DB 2; Length 671;  
Best Local Similarity 70.0%; Pred. No. 64;  
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 10 ILGWFFGGV 19  
:||||| :|:|:



Result No.	Score			Match	Query	\$	COUNT(*)			Description
	Score	Length	ID							
1	44	35.5	322	7	US-11-074-176-36	Sequence 36, Appl				
2	41.5	33.5	964	7	US-11-016-706-39	Sequence 39, Appl				
3	37	29.8	828	1	US-10-501-039-2	Sequence 2, Appl				
4	36	29.0	428	7	US-11-074-176-364	Sequence 364, App				
5	36	29.0	456	7	US-11-021-441-18	Sequence 18, Appl				
6	36	29.0	479	7	US-11-021-441-20	Sequence 20, Appl				
7	36	29.0	490	7	US-11-021-441-26	Sequence 26, Appl				
8	36	29.0	497	7	US-11-021-441-22	Sequence 22, Appl				
9	36	29.0	497	7	US-11-021-441-24	Sequence 24, Appl				
10	36	29.0	1035	7	US-11-021-441-4	Sequence 4, Appl				
11	35	28.2	554	7	US-11-074-176-320	Sequence 320, App				
12	35	28.2	570	7	US-11-074-176-68	Sequence 68, Appl				
13	35	28.2	677	1	US-10-982-545-12	Sequence 12, Appl				
14	35	28.2	802	1	US-10-510-386-2	Sequence 2, Appl				
15	35	28.2	1432	1	US-10-510-386-218	Sequence 218, App				
16	34	27.4	296	7	US-11-102-978-7	Sequence 7, Appl				
17	34	27.4	391	1	US-10-979-821-12	Sequence 12, Appl				
18	34	27.4	599	1	US-10-957-569-12	Sequence 12, Appl				
19	34	27.4	674	1	US-10-501-033-10	Sequence 10, Appl				
20	34	27.4	1386	7	US-11-091-643-6	Sequence 6, Appl				
21	34	27.4	2897	1	US-10-499-715-2	Sequence 2, Appl				
22	33.5	27.0	591	1	US-10-510-386-22	Sequence 22, Appl				
23	33	26.6	126	1	US-10-510-386-86	Sequence 86, Appl				
24	33	26.6	242	7	US-11-022-562-220	Sequence 220, App				
25	33	26.6	262	7	US-11-074-176-8	Sequence 8, Appl				

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; CURRENT FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: 09/962,955
; PRIOR FILING DATE: 2001-09-24
; ORGANISM: Lactobacillus acidophilus
US-11-074-176-364

Query Match      29.0%; Score 36; DB 7; Length 428;
Best Local Similarity 25.0%; Pred. No. 29;
Matches 6; Conservative 7; Mismatches 11; Indels 0; Gaps 0;

QY    2 EKAKNAYQ-KANQAQVLKAKEASSYD 25
Db     25 ETARNFFRANYREIRTPSFENYE 48

RESULT 5
US-11-021-441-18
; Sequence 18, Application US/11021441
; Publication No. US20050249748A1
; GENERAL INFORMATION:
; APPLICANT: DUBENSKY, Thomas W., Jr.
; APPLICANT: PORTNOY, Daniel A.
; APPLICANT: LUCKETT, William S., Jr.
; APPLICANT: COOK, David N.
; TITLE OF INVENTION: RECOMBINANT NUCLEIC ACID MOLECULES, AND BACTERIA, AND METHODS OF USE
; TITLE OF INVENTION: EXPRESSION CASSETTES, AND BACTERIA, AND METHODS OF USE
; FILE REFERENCE: THEREOF
; FILE REFERENCE: 282172003900
; CURRENT APPLICATION NUMBER: US/11/021,441
; CURRENT FILING DATE: 2004-12-23
; PRIOR APPLICATION NUMBER: US 60/616,750
; PRIOR FILING DATE: 2004-10-06
; PRIOR APPLICATION NUMBER: US 60/615,287
; PRIOR FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: US 60/599,377
; PRIOR FILING DATE: 2004-08-05
; PRIOR APPLICATION NUMBER: PCT/US2004/23881
; PRIOR FILING DATE: 2004-07-23
; PRIOR APPLICATION NUMBER: US 10/883,599
; PRIOR FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: US 60/556,744
; PRIOR FILING DATE: 2004-03-26
; NUMBER OF SEQ ID NOS: 129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 456
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-021-441-18

Query Match      29.0%; Score 36; DB 7; Length 456;
Best Local Similarity 58.3%; Pred. No. 32;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY    6 NAYQKANQAQVLK 17
Db     72 HTYEDPNQAQVLK 83

RESULT 6
US-11-021-441-20
; Sequence 20, Application US/11021441
; Publication No. US20050249748A1
; GENERAL INFORMATION:
; APPLICANT: DUBENSKY, Thomas W., Jr.
; APPLICANT: PORTNOY, Daniel A.
; APPLICANT: LUCKETT, William S., Jr.
; APPLICANT: COOK, David N.
; TITLE OF INVENTION: RECOMBINANT NUCLEIC ACID MOLECULES, AND BACTERIA, AND METHODS OF USE
; TITLE OF INVENTION: EXPRESSION CASSETTES, AND BACTERIA, AND METHODS OF USE
; FILE REFERENCE: THEREOF
; FILE REFERENCE: 282172003900
; CURRENT APPLICATION NUMBER: US/11/021,441
; CURRENT FILING DATE: 2004-12-23

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; PRIOR APPLICATION NUMBER: US 60/616,750
; PRIOR FILING DATE: 2004-10-06
; PRIOR APPLICATION NUMBER: US 60/615,287
; PRIOR FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: US 60/599,377
; PRIOR FILING DATE: 2004-08-05
; PRIOR APPLICATION NUMBER: PCT/US2004/23881
; PRIOR FILING DATE: 2004-07-23
; PRIOR APPLICATION NUMBER: US 10/883,599
; PRIOR FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: US 60/556,744
; PRIOR FILING DATE: 2004-03-26
; NUMBER OF SEQ ID NOS: 129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Fusion protein
;
US-11-021-441-20

Query Match      29.0%; Score 36; DB 7; Length 479;
Best Local Similarity 58.3%; Pred. No. 34;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy      6 NAYQKANQAVLK 17
Db      95 HTYEDPNQAVLK 106
      :|: |||||

RESULT 7
US-11-021-441-26
; Sequence 26, Application US/11021441
; Publication No. US20050249748A1
; GENERAL INFORMATION:
; APPLICANT: DUBENSKY, Thomas W., Jr.
; APPLICANT: PORTNOY, Daniel A.
; APPLICANT: LUCKETT, William S., Jr.
; APPLICANT: COOK, David N.
; TITLE OF INVENTION: RECOMBINANT NUCLEIC ACID MOLECULES,
; TITLE OF INVENTION: EXPRESSION CASSETTES, AND BACTERIA, AND METHODS OF USE
; FILE REFERENCE: 282172003900
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: US 60/599,377
; PRIOR FILING DATE: 2004-08-05
; PRIOR APPLICATION NUMBER: PCT/US2004/23881
; PRIOR FILING DATE: 2004-07-23
; PRIOR APPLICATION NUMBER: US 10/883,599
; PRIOR FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: US 60/556,744
; PRIOR FILING DATE: 2004-03-26
; NUMBER OF SEQ ID NOS: 129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Fusion protein
;
US-11-021-441-26

Query Match      29.0%; Score 36; DB 7; Length 490;
Best Local Similarity 58.3%; Pred. No. 35;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy      6 NAYQKANQAVLK 17
Db      95 HTYEDPNQAVLK 106
      :|: |||||

RESULT 8
US-11-021-441-22
; Sequence 22, Application US/11021441
; Publication No. US20050249748A1
; GENERAL INFORMATION:
; APPLICANT: DUBENSKY, Thomas W., Jr.
; APPLICANT: PORTNOY, Daniel A.
; APPLICANT: LUCKETT, William S., Jr.
; APPLICANT: COOK, David N.
; TITLE OF INVENTION: RECOMBINANT NUCLEIC ACID MOLECULES,
; TITLE OF INVENTION: EXPRESSION CASSETTES, AND BACTERIA, AND METHODS OF USE
; FILE REFERENCE: 282172003900
; CURRENT FILING DATE: 2004-12-23
; PRIOR APPLICATION NUMBER: US 60/616,750
; PRIOR FILING DATE: 2004-10-06
; PRIOR APPLICATION NUMBER: US 60/615,287
; PRIOR FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: US 60/599,377
; PRIOR FILING DATE: 2004-08-05
; PRIOR APPLICATION NUMBER: PCT/US2004/23881
; PRIOR FILING DATE: 2004-07-23
; PRIOR APPLICATION NUMBER: US 10/883,599
; PRIOR FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: US 60/556,744
; PRIOR FILING DATE: 2004-03-26
; NUMBER OF SEQ ID NOS: 129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Fusion protein
;
US-11-021-441-22

Query Match      29.0%; Score 36; DB 7; Length 497;
Best Local Similarity 58.3%; Pred. No. 36;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy      6 NAYQKANQAVLK 17
Db      103 HTYEDPNQAVLK 114
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RESULT 9
US-11-021-441-24
; Sequence 24, Application US/11021441
; Publication No. US20050249748A1
; GENERAL INFORMATION:
; APPLICANT: DUBENSKY, Thomas W., Jr.
; APPLICANT: PORTNOY, Daniel A.
; APPLICANT: LUCKETT, William S., Jr.
; APPLICANT: COOK, David N.
; TITLE OF INVENTION: RECOMBINANT NUCLEIC ACID MOLECULES,
; TITLE OF INVENTION: EXPRESSION CASSETTES, AND BACTERIA, AND METHODS OF USE
; FILE REFERENCE: 282172003900
; CURRENT FILING DATE: 2004-12-23
; PRIOR APPLICATION NUMBER: US 60/616,750
; PRIOR FILING DATE: 2004-10-06
; PRIOR APPLICATION NUMBER: US 60/615,287
; PRIOR FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: US 60/599,377
; PRIOR FILING DATE: 2004-08-05
; PRIOR APPLICATION NUMBER: PCT/US2004/23881
; PRIOR FILING DATE: 2004-07-23
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; PRIOR APPLICATION NUMBER: US 10/883,599
; PRIOR FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: US 60/556,744
; PRIOR FILING DATE: 2004-03-26
; NUMBER OF SEQ ID NOS: 129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 497
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Fusion protein
US-11-021-441-24

Query Match      29.0%; Score 36; DB 7; Length 497;
Best Local Similarity 58.3%; Pred. No. 36;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY      6 NAYQKANOAVLK 17
Db      103 HTYEDPNQAVLK 114

RESULT 10
US-11-021-441-4
; Sequence 4, Application US/11021441
; Publication No. US20050249748A1
; GENERAL INFORMATION:
; APPLICANT: DUBENSKIY, Thomas W., Jr.
; APPLICANT: PORTNOY, Daniel A.
; APPLICANT: LUCKETT, William S., Jr.
; APPLICANT: COOK, David N.
; TITLE OF INVENTION: RECOMBINANT NUCLEIC ACID MOLECULES,
; TITLE OF INVENTION: EXPRESSION CASSETTES, AND BACTERIA, AND METHODS OF USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 282172003900
; CURRENT APPLICATION NUMBER: US/11/021,441
; CURRENT FILING DATE: 2004-12-23
; PRIOR APPLICATION NUMBER: US 60/616,750
; PRIOR FILING DATE: 2004-10-06
; PRIOR APPLICATION NUMBER: US 60/615,287
; PRIOR FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: US 60/599,377
; PRIOR FILING DATE: 2004-08-05
; PRIOR APPLICATION NUMBER: PCT/US2004/23881
; PRIOR FILING DATE: 2004-07-23
; PRIOR APPLICATION NUMBER: US 10/883,599
; PRIOR FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: US 60/556,744
; PRIOR FILING DATE: 2004-03-26
; NUMBER OF SEQ ID NOS: 129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 1035
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Fusion protein
US-11-021-441-4

Query Match      29.0%; Score 36; DB 7; Length 1035;
Best Local Similarity 58.3%; Pred. No. 91;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY      6 NAYQKANOAVLK 17
Db      651 HTYEDPNQAVLK 662

RESULT 11
US-11-074-176-320
; Sequence 320, Application US/11074176
; Publication No. US20050250135A1
; GENERAL INFORMATION:
; APPLICANT: Davies, James
; APPLICANT: McGuire, James
; APPLICANT: Simonsen, Anja Hviid
; APPLICANT: Blennow, Kaj
```

```
; GENERAL INFORMATION:
; APPLICANT: Klaenhammer, Todd R.
; APPLICANT: Russell, William M.
; APPLICANT: Altermann, Eric
; APPLICANT: McAuliffe, Olivia
; APPLICANT: Perill, Andrea Azcarate
; TITLE OF INVENTION: Nucleic Acid Sequences Encoding
; TITLE OF INVENTION: Stress-Related Proteins and Uses Therefore
; FILE REFERENCE: 5051-694
; CURRENT APPLICATION NUMBER: US/11/074,176
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: 60/551,161
; PRIOR FILING DATE: 2004-03-08
; NUMBER OF SEQ ID NOS: 381
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 320
; LENGTH: 554
; TYPE: PRT
; ORGANISM: Lactobacillus acidophilus
US-11-074-176-320

Query Match      28.2%; Score 35; DB 7; Length 554;
Best Local Similarity 42.1%; Pred. No. 59;
Matches 8; Conservative 4; Mismatches 7; Indels 0; Gaps 0;

QY      3 KAKNAYOKANOAVLKAKEA 21
Db      382 EAKNAFKALTKKGLSDKEA 400

RESULT 12
US-11-074-176-68
; Sequence 68, Application US/11074176
; Publication No. US20050250135A1
; GENERAL INFORMATION:
; APPLICANT: Klaenhammer, Todd R.
; APPLICANT: Russell, William M.
; APPLICANT: Altermann, Eric
; APPLICANT: McAuliffe, Olivia
; APPLICANT: Perill, Andrea Azcarate
; TITLE OF INVENTION: Nucleic Acid Sequences Encoding
; TITLE OF INVENTION: Stress-Related Proteins and Uses Therefore
; FILE REFERENCE: 5051-694
; CURRENT APPLICATION NUMBER: US/11/074,176
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: 60/551,161
; PRIOR FILING DATE: 2004-03-08
; NUMBER OF SEQ ID NOS: 381
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 68
; LENGTH: 570
; TYPE: PRT
; ORGANISM: Lactobacillus acidophilus
US-11-074-176-68

Query Match      28.2%; Score 35; DB 7; Length 570;
Best Local Similarity 42.1%; Pred. No. 61;
Matches 8; Conservative 4; Mismatches 7; Indels 0; Gaps 0;

QY      3 KAKNAYOKANOAVLKAKEA 21
Db      398 EAKNAFKALTKKGLSDKEA 416

RESULT 13
US-10-982-545-12
; Sequence 12, Application US/10982545
; Publication No. US20050244890A1
; GENERAL INFORMATION:
; APPLICANT: Davies, Huw Alun
; APPLICANT: McGuire, James
; APPLICANT: Simonsen, Anja Hviid
; APPLICANT: Blennow, Kaj
```



; APPLICANT: Podust, Vladimir  
; APPLICANT: Ciphergen Biosystems, Inc.  
; TITLE OF INVENTION: Biomarkers for Alzheimer's Disease  
; FILE REFERENCE: 016866-011550US  
; CURRENT APPLICATION NUMBER: US/10/982,545  
; CURRENT FILING DATE: 2004-11-06  
; PRIOR FILING DATE: 2003-11-07 US 60/518,360  
; PRIOR APPLICATION NUMBER: US 60/526,753  
; PRIOR FILING DATE: 2003-12-02  
; PRIOR APPLICATION NUMBER: US 60/546,423  
; PRIOR FILING DATE: 2004-02-19  
; PRIOR APPLICATION NUMBER: US 60/547,250  
; PRIOR FILING DATE: 2004-02-23  
; PRIOR APPLICATION NUMBER: US 60/558,896  
; PRIOR FILING DATE: 2004-04-02  
; PRIOR APPLICATION NUMBER: US 60/572,617  
; PRIOR FILING DATE: 2004-05-18  
; PRIOR APPLICATION NUMBER: US 60/586,503  
; PRIOR FILING DATE: 2004-07-08  
; NUMBER OF SEQ ID NOS: 16  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 12  
; LENGTH: 677  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: Chromogranin B precursor  
; NAME/KEY: SIGNAL  
; LOCATION: (1)..(20)  
; OTHER INFORMATION: signal peptide  
; FEATURE:  
; NAME/KEY: PEPTIDE  
; LOCATION: (21)..(677)  
; OTHER INFORMATION: Chromogranin B (Secretogranin I)  
; FEATURE:  
; NAME/KEY: PEPTIDE  
; LOCATION: (326)..(385)  
; OTHER INFORMATION: biomarker peptide 7258 Da, processed fragment of  
; OTHER INFORMATION: Chromogranin B  
; FEATURE:  
; NAME/KEY: MOD RES  
; LOCATION: (341)  
; OTHER INFORMATION: Xaa = sulfotyrosine  
US-10-982-545-12

Query Match 28.2%; Score 35; DB 1; Length 677;  
Best Local Similarity 35.0%; Pred. No. 75;  
Matches 7; Conservative 6; Mismatches 7; Indels 0; Gaps 0;

QY 1 YEKAKYQKQAVLKAKE 20  
Db 633 HQEAEKQKADQTVLTD 652

RESULT 14  
US-10-510-386-2  
; Sequence 2, Application US/10510386  
; Publication No. US20050244922A1  
; GENERAL INFORMATION:  
; APPLICANT: Andersen, Jens Tonne  
; APPLICANT: Clausen, Ib Groth  
; APPLICANT: Jorgensen, Steen Troels  
; APPLICANT: Olsen, Peter Bjarke  
; APPLICANT: Rasmussen, Michael Dolberg  
; TITLE OF INVENTION: Improved Bacillus Host Cell  
; FILE REFERENCE: 10294.204-US  
; CURRENT APPLICATION NUMBER: US/10/510,386  
; CURRENT FILING DATE: 2004-10-04  
; NUMBER OF SEQ ID NOS: 248  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 2

; LENGTH: 802  
; TYPE: PRT  
; ORGANISM: Bacillus licheniformis  
US-10-510-386-2  
Query Match 28.2%; Score 35; DB 1; Length 802;  
Best Local Similarity 42.9%; Pred. No. 94;  
Matches 9; Conservative 2; Mismatches 10; Indels 0; Gaps 0;  
QY 5 KNAYQKQAVLKAKEASSYD 25  
Db 83 KTARSKALKTKKAKVREYD 103

RESULT 15  
US-10-510-386-218  
; Sequence 218, Application US/10510386  
; Publication No. US20050244922A1  
; GENERAL INFORMATION:  
; APPLICANT: Andersen, Jens Tonne  
; APPLICANT: Clausen, Ib Groth  
; APPLICANT: Jorgensen, Steen Troels  
; APPLICANT: Olsen, Peter Bjarke  
; APPLICANT: Rasmussen, Michael Dolberg  
; TITLE OF INVENTION: Improved Bacillus Host Cell  
; FILE REFERENCE: 10294.204-US  
; CURRENT APPLICATION NUMBER: US/10/510,386  
; CURRENT FILING DATE: 2004-10-04  
; NUMBER OF SEQ ID NOS: 248  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 218  
; LENGTH: 1432  
; TYPE: PRT  
; ORGANISM: Bacillus licheniformis  
US-10-510-386-218

Query Match 28.2%; Score 35; DB 1; Length 1432;  
Best Local Similarity 41.7%; Pred. No. 2e+02;  
Matches 10; Conservative 3; Mismatches 7; Indels 4; Gaps 1;  
QY 4 AKNAYQKQAV---LKAKEASS 23  
Db 95 AKTEYQKRSVVSAVLKVADESQS 118

Search completed: November 22, 2005, 20:54:14  
Job time : 2.65289 secs

The Togo Park (1970)

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: November 22, 2005, 20:24:49 ; Search time 72.314 Seconds  
(without alignments)  
144.450 Million cell updates/sec

Title: US-10-774-602-11  
Perfect score: 124  
Sequence: 1 YEKKNAYOKANQAVLKAKEASSYD 25

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : 1: /cgn2\_6/prodata/1/pubpaa/US07\_PUBCOMB.pap:\*  
2: /cgn2\_6/prodata/1/pubpaa/US08\_PUBCOMB.pap:\*  
3: /cgn2\_6/prodata/1/pubpaa/US09\_PUBCOMB.pap:\*  
4: /cgn2\_6/prodata/1/pubpaa/US10A\_PUBCOMB.pap:\*  
5: /cgn2\_6/prodata/1/pubpaa/US10B\_PUBCOMB.pap:\*  
6: /cgn2\_6/prodata/1/pubpaa/US11\_PUBCOMB.pap:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	124	100.0	25	4	US-10-294-770-11
2	124	100.0	25	4	US-10-774-602-11
3	124	100.0	188	5	US-10-591-672A-7
4	116	93.5	64	4	US-10-294-770-1
5	116	93.5	64	4	US-10-238-741-1
6	116	93.5	64	4	US-10-774-602-1
7	96	77.4	23	4	US-10-294-770-2
8	96	77.4	23	4	US-10-238-741-2
9	96	77.4	23	4	US-10-774-602-2
10	53	42.7	463	6	US-11-097-143-5967
11	51.5	41.5	866	4	US-10-437-963-203902
12	51.5	41.5	1109	4	US-10-437-963-203905
13	50	40.3	79	4	US-10-177-725-16
14	50	40.3	79	4	US-10-177-725-20
15	50	40.3	79	4	US-10-177-725-66
16	50	40.3	79	4	US-10-177-725-70
17	50	40.3	79	4	US-10-393-449-16
18	50	40.3	79	4	US-10-393-449-20
19	50	40.3	79	4	US-10-393-449-66
20	50	40.3	79	4	US-10-393-449-70
21	50	40.3	230	5	US-10-501-282-4380
22	50	40.3	1161	4	US-10-282-122A-69440
23	48.5	39.1	223	5	US-10-732-923-2244
24	48.5	39.1	227	5	US-10-732-923-2245
25	48.5	39.1	802	4	US-10-437-963-149821
26	48.5	39.1	1170	4	US-10-437-963-149705
27	48.5	39.1	1313	4	US-10-437-963-149939

28 48.5 39.1 1452 4 US-10-437-963-167910 Sequence 167910,  
29 48.5 39.1 1510 4 US-10-437-963-134639 Sequence 134639,  
30 48.5 39.1 1775 4 US-10-437-963-149750 Sequence 149750,  
31 48.5 39.1 1875 4 US-10-437-963-203247 Sequence 203247,  
32 48.5 39.1 2021 4 US-10-437-963-167916 Sequence 167916,  
33 47.5 38.3 100 3 US-09-741-669-323 Sequence 323, App  
34 47.5 38.3 100 3 US-09-912-020-390 Sequence 390, App  
35 47.5 38.3 100 3 US-09-815-242-10357 Sequence 10357, A  
36 47.5 38.3 100 4 US-10-287-274-308 Sequence 308, App  
37 47.5 38.3 100 4 US-10-282-122A-42602 Sequence 42602, A  
38 47.5 38.3 100 5 US-10-771-241-390 Sequence 390, App  
39 47.5 38.3 503 4 US-10-282-122A-56235 Sequence 56235, A  
40 47 37.9 119 4 US-10-282-122A-65457 Sequence 65457, A  
41 47 37.9 119 4 US-10-282-122A-65824 Sequence 65824, A  
42 47 37.9 119 5 US-10-472-260-116 Sequence 116, App  
43 47 37.9 317 5 US-10-926-543-78 Sequence 78, Appl  
44 47 37.9 508 4 US-10-425-115-283511 Sequence 283511,  
45 47 37.9 541 5 US-10-732-923-19925 Sequence 19925, A

## ALIGNMENTS

RESULT 1  
US-10-294-770-11  
; Sequence 11, Application US/10294770  
; Publication No. US20030161840A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
; FILE REFERENCE: 230759US0CIP  
; CURRENT APPLICATION NUMBER: US/10/294,770  
; CURRENT FILING DATE: 2002-11-15  
; PRIOR APPLICATION NUMBER: US 09/356,947  
; PRIOR FILING DATE: 1999-07-19  
; PRIOR APPLICATION NUMBER: US 08/416,711  
; PRIOR FILING DATE: 1995-08-08  
; PRIOR APPLICATION NUMBER: PCT/FR93/01024  
; PRIOR FILING DATE: 1993-10-18  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 11  
; LENGTH: 25  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic Peptide  
US-10-294-770-11

Query Match 100.0%; Score 124; DB 4; Length 25;  
Best Local Similarity 100.0%; Pred. No. 3.5e-10;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YEKKNAYOKANQAVLKAKEASSYD 25  
|||||

Db 1 YEKKNAYOKANQAVLKAKEASSYD 25

RESULT 2  
US-10-774-602-11  
; Sequence 11, Application US/10774602  
; Publication No. US20040141987A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
; FILE REFERENCE: 248791US0DIV  
; CURRENT APPLICATION NUMBER: US/10/774,602  
; CURRENT FILING DATE: 2004-02-10  
; PRIOR APPLICATION NUMBER: US 09/356,947  
; PRIOR FILING DATE: 1999-07-19  
; PRIOR APPLICATION NUMBER: US 10/238,741  
; PRIOR FILING DATE: 2002-09-11  
; PRIOR APPLICATION NUMBER: US 08/416,711

```

/ RESIDUAL ON NUMBER: 0.078
/ REFERENCE/DOCKET NUMBER: 660-085-0 PCT
/
/ TELECOMMUNICATION INFORMATION:
/   TELEPHONE: 703-413-3000
/   TELEFAX: 703-413-2220
/
/ INFORMATION FOR SEQ ID NO: 1:
/   SEQUENCE CHARACTERISTICS:
/     LENGTH: 64 amino acids
/     TYPE: amino acid
/     STRANDEDNESS: single
/     TOPOLOGY: linear
/   MOLECULE TYPE: peptide
/   SEQUENCE DESCRIPTION: SEQ ID NO: 1:
/
US-10-238-741-1

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Db 1 HERAKNAYOKANQAVLKKEASSYD 25  
:|:|||||||||||||||||||||

## RESULT 6

US-10-774-602-1  
; Sequence 1, Application US/10774602  
; Publication No. US20040141987A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
; FILE REFERENCE: 248791USODIV  
; CURRENT APPLICATION NUMBER: US/10/774,602  
; CURRENT FILING DATE: 2004-02-10  
; PRIOR APPLICATION NUMBER: US 09/356,947  
; PRIOR FILING DATE: 1999-07-19  
; PRIOR APPLICATION NUMBER: US 10/238,741  
; PRIOR FILING DATE: 2002-09-11  
; PRIOR APPLICATION NUMBER: US 08/416,711  
; PRIOR FILING DATE: 1995-08-08  
; PRIOR APPLICATION NUMBER: PCT/FR93/01024  
; PRIOR FILING DATE: 1993-10-18  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1  
; LENGTH: 64  
; TYPE: PRT  
; ORGANISM: Plasmodium falciparum  
US-10-774-602-1

Query Match 93.5%; Score 116; DB 4; Length 64;  
Best Local Similarity 92.0%; Pred. No. 1.2e-08;  
Matches 23; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YEKAKNAYOKANQAVLKKEASSYD 25  
:|:|||||||||||||||||||||

Db 1 HERAKNAYOKANQAVLKKEASSYD 25

## RESULT 7

US-10-294-770-2  
; Sequence 2, Application US/10294770  
; Publication No. US20030161840A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
; FILE REFERENCE: 230759USOCIP  
; CURRENT APPLICATION NUMBER: US/10/294,770  
; CURRENT FILING DATE: 2002-11-15  
; PRIOR APPLICATION NUMBER: US 09/356,947  
; PRIOR FILING DATE: 1999-07-19  
; PRIOR APPLICATION NUMBER: US 08/416,711  
; PRIOR FILING DATE: 1995-08-08  
; PRIOR APPLICATION NUMBER: PCT/FR93/01024  
; PRIOR FILING DATE: 1993-10-18  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 23  
; TYPE: PRT  
; ORGANISM: Plasmodium falciparum  
US-10-294-770-2

Query Match 77.4%; Score 96; DB 4; Length 23;  
Best Local Similarity 84.0%; Pred. No. 2.4e-06;  
Matches 21; Conservative 2; Mismatches 0; Indels 2; Gaps 1;

Qy 1 YEKAKNAYOKANQAVLKKEASSYD 25  
:|:|||||||||||||||||||||

Db 1 HERAKNAYOKANQAVL--KEASSYD 23

## RESULT 8

US-10-238-741-2  
; Sequence 2, Application US/10238741  
; Publication No. US20040096466A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; BOUHARCUN-TAYOUN, HASNAQ  
; OEUVRAY, CLAUDE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
; NUMBER OF SEQUENCES: 10  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: ORLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22202  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/238,741  
; FILING DATE: 09-Nov-2002  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/356,497  
; FILING DATE: 19-Jul-1999  
; APPLICATION NUMBER: US/08/416,711  
; FILING DATE: 08-AUG-1995  
; APPLICATION NUMBER: PCT/FR93/01024  
; FILING DATE: 18-OCT-1993  
; APPLICATION NUMBER: FR 92/12488  
; FILING DATE: 19-OCT-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: ORLON, NORMAN F.  
; REGISTRATION NUMBER: 24,618  
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-413-3000  
; TELEFAX: 703-413-2220  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 23 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
US-10-238-741-2

Query Match 77.4%; Score 96; DB 4; Length 23;  
Best Local Similarity 84.0%; Pred. No. 2.4e-06;  
Matches 21; Conservative 2; Mismatches 0; Indels 2; Gaps 1;

Qy 1 YEKAKNAYOKANQAVLKKEASSYD 25  
:|:|||||||||||||||||||||

Db 1 HERAKNAYOKANQAVL--KEASSYD 23

## RESULT 9

US-10-774-602-2  
; Sequence 2, Application US/10774602  
; Publication No. US20040141987A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
; FILE REFERENCE: 248791USODIV  
; CURRENT APPLICATION NUMBER: US/10/774,602  
; CURRENT FILING DATE: 2004-02-10  
; PRIOR APPLICATION NUMBER: US 09/356,947

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; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 10/238,741
; PRIOR FILING DATE: 2003-09-11
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 2
; LENGTH: 23
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
US-10-774-602-2

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Query Match 77.4%; Score 96; DB 4; Length 23;  
Best Local Similarity 84.0%; Pred. No. 2.4e-06;  
Matches 21; Conservative 2; Mismatches 0; Indels 2; Gaps 1;

**Qy**            1 YEKAKNAYQKANQAVLKAKEASSYD 25  
               : : : : : : : : : : : : : :  
**D6**            1 HERAKNAYQKANQAVL--KEASSYD 23

```

RESULT 10
US-11-097-143-5967
; Sequence 5967, Application US/11097143
; Publication No. US2005020858A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.

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Query Match 42.7%; Score 53; DB 6; Length 463;  
Best Local Similarity 47.8%; Pred. No. 57;  
Matches 11; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

Qy 1 YEKAKNAYQKANQAVLKAKEASS 23  
414 YEAAREEYLKOEAAATVKAIDAKS 436

RESULT 11  
US-10-437-963-203902  
; Sequence 203902, Application US/10437963

```

; Publication No. US20040123343A1
;
; GENERAL INFORMATION:
;
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbausk, Brad
; APPLICANT: Li, Ping
;
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
;
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
;
; SEQ ID NO 203902
; LENGTH: 866
; TYPE: PRT
; ORGANISM: Oryza sativa
;
; FEATURE:
;
; OTHER INFORMATION: Clone ID: PAT_MRT4530_99041C.1.pep
; US-10-437-963-203902

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Query Match	41.5%	Score 51.5;	DB 4;	Length 866;
Best Local Similarity	52.2%;	Pred. No. 1.8e+02;		
Matches 12;	Conservative	5;	Mismatches 5;	Indels 1;
Gaps 1;				

Qy 1 YEKKNAYQKANQAVLKAKEASS 23  
: : : : : : : : : : : :  
Db 432 FEKA-NEYAKADDAVLASKOSGS 453

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RESULT 12
US-10-437-963-203905
; Sequence 203905, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 203905
; LENGTH: 1109
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(1109)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_99044C.1.pep
US-10-437-963-203905

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Query Match	41.5%;	Score 51.5;	DB 4;	Length 1109;
Best Local Similarity	52.2%;	Pred. No. 2.4e+02;		
Matches 12;	Conservative 5;	Mismatches 5;	Indels 1;	Gaps 1;

Qy	1 YEKANAYQKANQAVLKAKEASS	23
	:          :    :    :	
Dd	252 FEKA-NEYAKADDAVLASKQSGS	273

RESULT 13  
US-10-177-725-16  
; Sequence 16, Application US/10177725  
; Publication No. US20030143562A1  
; GENERAL INFORMATION:  
; APPLICANT: Anderson, David  
; APPLICANT: Bogenberger, Jakob M.  
; APPLICANT: Peele, Beau R.  
; TITLE OF INVENTION: STRUCTURALLY BIASED RANDOM PEPTIDE LIBRARIES BASED ON DIFFERENT S  
; FILE REFERENCE: A-66900-4/RMS/AMS  
; CURRENT APPLICATION NUMBER: US/10/177,725  
; CURRENT FILING DATE: 2002-06-20  
; PRIOR APPLICATION NUMBER: US 09/415,765  
; PRIOR FILING DATE: 1999-10-08  
; PRIOR APPLICATION NUMBER: US 09/169,015  
; PRIOR FILING DATE: 1998-10-08  
; NUMBER OF SEQ ID NOS: 173  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 16  
; LENGTH: 79  
; TYPE: PRT  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: synthetic  
US-10-177-725-16

Query Match 40.3%; Score 50; DB 4; Length 79;  
Best Local Similarity 63.2%; Pred. No. 21;  
Matches 12; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 3 KAKNAYQKANOAVLKAKEA 21  
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Db 58 KAKEAEAKAKEAEAKAKEA 76

RESULT 14  
US-10-177-725-20  
; Sequence 20, Application US/10177725  
; Publication No. US20030143562A1  
; GENERAL INFORMATION:  
; APPLICANT: Anderson, David  
; APPLICANT: Bogenberger, Jakob M.  
; APPLICANT: Peele, Beau R.  
; TITLE OF INVENTION: STRUCTURALLY BIASED RANDOM PEPTIDE LIBRARIES BASED ON DIFFERENT S  
; FILE REFERENCE: A-66900-4/RMS/AMS  
; CURRENT APPLICATION NUMBER: US/10/177,725  
; CURRENT FILING DATE: 2002-06-20  
; PRIOR APPLICATION NUMBER: US 09/415,765  
; PRIOR FILING DATE: 1999-10-08  
; PRIOR APPLICATION NUMBER: US 09/169,015  
; PRIOR FILING DATE: 1998-10-08  
; NUMBER OF SEQ ID NOS: 173  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 20  
; LENGTH: 79  
; TYPE: PRT  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: synthetic  
US-10-177-725-20

Query Match 40.3%; Score 50; DB 4; Length 79;  
Best Local Similarity 63.2%; Pred. No. 21;  
Matches 12; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 3 KAKNAYQKANOAVLKAKEA 21  
||| | | | | | | | | |  
Db 58 KAKEAEAKAKEAEAKAKEA 76

RESULT 15  
US-10-177-725-66  
; Sequence 66, Application US/10177725

Publication No. US20030143562A1  
; GENERAL INFORMATION:  
; APPLICANT: Anderson, David  
; APPLICANT: Bogenberger, Jakob M.  
; APPLICANT: Peele, Beau R.  
; TITLE OF INVENTION: STRUCTURALLY BIASED RANDOM PEPTIDE LIBRARIES BASED ON DIFFERENT S  
; FILE REFERENCE: A-66900-4/RMS/AMS  
; CURRENT APPLICATION NUMBER: US/10/177,725  
; CURRENT FILING DATE: 2002-06-20  
; PRIOR APPLICATION NUMBER: US 09/415,765  
; PRIOR FILING DATE: 1999-10-08  
; PRIOR APPLICATION NUMBER: US 09/169,015  
; PRIOR FILING DATE: 1998-10-08  
; NUMBER OF SEQ ID NOS: 173  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 66  
; LENGTH: 79  
; TYPE: PRT  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: synthetic  
; NAME/KEY: MISC FEATURE  
; LOCATION: (21)-(52)  
; OTHER INFORMATION: "Xaa" at positions 21-23, 25-27, 29-30, 32-34, 36-37, 39-41, 43-4  
; OTHER INFORMATION: 5, 47-48, and 50-52 can be any amino acid  
US-10-177-725-66

Query Match 40.3%; Score 50; DB 4; Length 79;  
Best Local Similarity 63.2%; Pred. No. 21;  
Matches 12; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 3 KAKNAYQKANOAVLKAKEA 21  
||| | | | | | | | | |  
Db 58 KAKEAEAKAKEAEAKAKEA 76

Search completed: November 22, 2005, 20:53:59  
Job time : 73.314 secs





GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: November 22, 2005, 20:20:23 ; Search time 15.7025 Seconds  
(without alignments)  
131.628 Million cell updates/sec

Title: US-10-774-602-11

Perfect score: 124

Sequence: 1 YEKANNYQANQAVLKAKEASSYD 25

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:\*

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- 2: /cgn2\_6/prodata/1/iaa/6\_COMB.pep.\*
- 3: /cgn2\_6/prodata/1/iaa/H\_COMB.pep.\*
- 4: /cgn2\_6/prodata/1/iaa/PCUS\_COMB.pep.\*
- 5: /cgn2\_6/prodata/1/iaa/RE\_COMB.pep.\*
- 6: /cgn2\_6/prodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	116	93.5	64	2	US-08-416-711-1
2	116	93.5	64	2	US-09-356-497-1
3	116	93.5	64	2	US-10-238-741-1
4	96	77.4	23	2	US-08-416-711-2
5	96	77.4	23	2	US-09-356-497-2
6	96	77.4	23	2	US-10-238-741-2
7	52	41.9	117	2	US-09-302-540-16285
8	50	40.3	28	1	US-08-303-025-12
9	50	40.3	28	1	US-08-436-703B-1
10	50	40.3	29	1	US-08-152-488-10
11	50	40.3	29	1	US-08-152-488-11
12	50	40.3	29	1	US-08-303-025-10
13	50	40.3	29	1	US-08-303-025-11
14	50	40.3	29	1	US-08-303-025-13
15	50	40.3	29	1	US-08-677-304-10
16	50	40.3	29	1	US-08-677-304-11
17	50	40.3	29	1	US-08-436-703B-3
18	50	40.3	32	1	US-08-436-703B-15
19	50	40.3	32	1	US-08-152-488-13
20	50	40.3	32	1	US-08-303-025-15
21	50	40.3	32	1	US-08-677-304-13
22	50	40.3	32	1	US-08-436-703B-2
23	50	40.3	33	1	US-08-303-025-16
24	50	40.3	33	1	US-08-436-703B-4
25	50	40.3	79	2	US-10-177-725-16
26	50	40.3	79	2	US-10-177-725-20
27	50	40.3	79	2	US-10-177-725-66

28	50	40.3	79	2	US-10-177-725-70	Sequence 70, Appl
29	49	39.5	29	1	US-08-152-488-12	Sequence 12, Appl
30	49	39.5	29	1	US-08-303-025-14	Sequence 14, Appl
31	49	39.5	29	1	US-08-677-304-12	Sequence 12, Appl
32	49	39.5	29	1	US-08-436-703B-16	Sequence 16, Appl
33	49	39.5	928	2	US-09-134-000C-6590	Sequence 6590, Ap
34	47.5	38.3	100	2	US-09-732-210-745	Sequence 745, App
35	47.5	38.3	100	2	US-09-711-164-308	Sequence 308, App
36	47.5	38.3	100	2	US-09-492-709A-390	Sequence 390, App
37	47.5	38.3	174	1	US-08-261-825-2	Sequence 2, Appli
38	47.5	38.3	174	1	US-08-719-124-2	Sequence 2, Appli
39	47.5	38.3	174	4	PCT-US95-07748A-2	Sequence 19608, A
40	47	37.9	393	2	US-09-248-796A-19608	Sequence 2, Appli
41	46.5	37.5	45	2	US-09-405-743A-2	Sequence 2, Appli
42	46.5	37.5	45	2	US-09-816-989A-2	Sequence 11042, A
43	46.5	37.5	104	2	US-09-489-039A-11042	Sequence 19, Appl
44	46	37.1	86	2	US-10-177-725-19	Sequence 69, Appl
45	46	37.1	86	2	US-10-177-725-69	

ALIGNMENTS

RESULT 1  
US-08-416-711-1  
; Sequence 1, Application US/08416711  
; Patent No. 6017538  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; APPLICANT: BOUHAROUN-TAVOUN, HASNAQ  
; APPLICANT: OEUVRAY, CLAUDE  
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING  
; TITLE OF INVENTION: PROTECTIVE ANTIBODIES  
; NUMBER OF SEQUENCES: 10  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MATER & NEUSTADT,  
; ADDRESSEE: P.C.  
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22202  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/416,711  
; FILING DATE: 08-AUG-1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/FR93/01024  
; FILING DATE: 18-OCT-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: FR 92/12488  
; FILING DATE: 19-OCT-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: OBLON, NORMAN F.  
; REGISTRATION NUMBER: 24,618  
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-413-3000  
; TELEFAX: 703-413-2220  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 64 amino acids  
; TYPE: amino acid  
; TOPOLOGY: single  
; MOLECULE TYPE: peptide  
US-08-416-711-1

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Query Match          93.5%; Score 116; DB 2; Length 64;
Best Local Similarity 92.0%; Pred. No. 6.8e-10;
Matches 23; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 YEKAKNAYOKANQAVLKAKEASSYD 25
Db 1 HERAKNAYOKANQAVLKAKEASSYD 25

RESULT 2
US-09-356-497-1
; Sequence 1, Application US/09356497
; Patent No. 6472519
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; BOUHAROUN-TAYOUN, HASNAQ
; OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/356,497
; FILING DATE: 19-Jul-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 64 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-356-497-1

Query Match          93.5%; Score 116; DB 2; Length 64;
Best Local Similarity 92.0%; Pred. No. 6.8e-10;
Matches 23; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 YEKAKNAYOKANQAVLKAKEASSYD 25
Db 1 HERAKNAYOKANQAVLKAKEASSYD 25

RESULT 3
US-10-238-741-1
; Sequence 1, Application US/10238741
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; Patent No. 6949627
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; BOUHAROUN-TAYOUN, HASNAQ
; OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/238,741
; FILING DATE: 09-No. 6949627-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/356,497
; FILING DATE: 19-Jul-1999
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 64 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-238-741-1

Query Match          93.5%; Score 116; DB 2; Length 64;
Best Local Similarity 92.0%; Pred. No. 6.8e-10;
Matches 23; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 YEKAKNAYOKANQAVLKAKEASSYD 25
Db 1 HERAKNAYOKANQAVLKAKEASSYD 25

RESULT 4
US-08-416-711-2
; Sequence 2, Application US/08416711
; Patent No. 6017538
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; BOUHAROUN-TAYOUN, HASNAQ
; OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
```

```
;
; ADDRESS: P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; CLASSIFICATION: 424
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
;
; PRIOR APPLICATION DATA: FR 92/12488
; FILING DATE: 19-OCT-1992
;
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
;
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 23 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
;
; US-08-416-711-2
;
; Query Match 77.4%; Score 96; DB 2; Length 23;
; Best Local Similarity 84.0%; Pred. No. 1.8e-07;
; Matches 21; Conservative 2; Mismatches 0; Indels 2; Gaps 1;
;
; QY 1 YEKAKNAYOKANOAVLKAKEASSYD 25
; Db 1 HERAKNAYOKANOAVL--KEASSYD 23
;
; RESULT 5
; US-09-356-497-2
; Sequence 2, Application US/09356497
; Patent No. 6472519
; GENERAL INFORMATION:
; APPLICANT: BOUHAROUN-TAYOUN, HASNAQ
; OEUVRAY, CLAUDE
;
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; PROTECTIVE ANTIBODIES
;
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESS: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/356,497
; FILING DATE: 19-Jul-1999
;
;
; ADDRESS: P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/356,497
; FILING DATE: 19-Jul-1999
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; ADDRESS: P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/238,741
; FILING DATE: 09-No. 6949627-2002
; CLASSIFICATION: <Unknown>
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/356,497
; FILING DATE: 19-Jul-1999
;
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
;
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
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; CLASSIFICATION: <Unknown>
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
;
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
;
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 23 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
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; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
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; US-09-356-497-2
;
; Query Match 77.4%; Score 96; DB 2; Length 23;
; Best Local Similarity 84.0%; Pred. No. 1.8e-07;
; Matches 21; Conservative 2; Mismatches 0; Indels 2; Gaps 1;
;
; QY 1 YEKAKNAYOKANOAVLKAKEASSYD 25
; Db 1 HERAKNAYOKANOAVL--KEASSYD 23
;
; RESULT 6
; US-10-238-741-2
; Sequence 2, Application US/10238741
; Patent No. 6949627
; GENERAL INFORMATION:
; APPLICANT: BOUHAROUN-TAYOUN, HASNAQ
; OEUVRAY, CLAUDE
;
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; PROTECTIVE ANTIBODIES
;
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESS: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/238,741
; FILING DATE: 09-No. 6949627-2002
; CLASSIFICATION: <Unknown>
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/356,497
; FILING DATE: 19-Jul-1999
;
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
;
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/436,703B
; FILING DATE: 08-MAY-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: N/A
; FILING DATE: N/A
; ATTORNEY/AGENT INFORMATION:
; NAME: Rohm, Benita J.
; REGISTRATION NUMBER: 28,664
; REFERENCE/DOCKET NUMBER: 7WK-060548-00233
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 313-965-1976
; TELEFAX: 313-965-1951
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 amino acids
; TYPE: amino acid
; STRANDEDNESS: N/A
; TOPOLOGY: N/A
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: N/A
; PUBLICATION INFORMATION:
; AUTHORS: N/A
; TITLE: N/A
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; US-08-436-703B-1
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; Query Match 40.3%; Score 50; DB 1; Length 28;
; Best Local Similarity 52.4%; Pred. No. 1.1;
; Matches 11; Conservative 5; Mismatches 5; Indels 0; Gaps 0;
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; Qy 2 EKAKNAVQKANQAVLKAKKAS 22
; Db 3 KKAKKAACKAKKAAKAKKAA 23
;
; RESULT 10
; US-08-152-488-10
; Sequence 10, Application US/08152488
; Patent No. 5534619
; GENERAL INFORMATION:
; APPLICANT: Wakefield, Thomas W.
; APPLICANT: Andrews, Philip C.
; TITLE OF INVENTION: NOVEL PEPTIDES FOR HEPARIN AND
; TITLE OF INVENTION: LOW MOLECULAR WEIGHT HEPARIN
; TITLE OF INVENTION: ANTICOAGULATION REVERSAL
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Benita J. Rohm, Esq.
; STREET: 512 Springfield Avenue
; CITY: Cranford
; STATE: New Jersey
; COUNTRY: United States of America
; ZIP: 07016-1811
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WordPerfect 6; ASCII (DOS)Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/152,488
; FILING DATE: 12-NOV-1993
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US92/08069
; FILING DATE: 14-AUG-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Rohm, Benita J.
; REGISTRATION NUMBER: 28,664
; REFERENCE/DOCKET NUMBER: RM-7WG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 908-276-3344
; TELEFAX: 908-276-5543
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 amino acids
; TYPE: amino acid
; STRANDEDNESS: N/A
; TOPOLOGY: N/A
; MOLECULE TYPE: peptide
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; US-08-152-488-10
;
; Query Match 40.3%; Score 50; DB 1; Length 29;
; Best Local Similarity 52.4%; Pred. No. 1.2;
; Matches 11; Conservative 5; Mismatches 5; Indels 0; Gaps 0;
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; Qy 2 EKAKNAVQKANQAVLKAKKAS 22
; Db 7 KKAKKAACKAKKAAKAKKAA 27
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; RESULT 11
; US-08-152-488-11
; Sequence 11, Application US/08152488
; Patent No. 5534619
; GENERAL INFORMATION:
; APPLICANT: Wakefield, Thomas W.
; APPLICANT: Andrews, Philip C.
; APPLICANT: Stanley, James C.
; TITLE OF INVENTION: NOVEL PEPTIDES FOR HEPARIN AND
; TITLE OF INVENTION: LOW MOLECULAR WEIGHT HEPARIN
; TITLE OF INVENTION: ANTICOAGULATION REVERSAL
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Benita J. Rohm, Esq.
; STREET: 512 Springfield Avenue
; CITY: Cranford
; STATE: New Jersey
; COUNTRY: United States of America
; ZIP: 07016-1811
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WordPerfect 6; ASCII (DOS)Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/152,488
; FILING DATE: 12-NOV-1993
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US92/08069
; FILING DATE: 14-AUG-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Rohm, Benita J.
; REGISTRATION NUMBER: 28,664
; REFERENCE/DOCKET NUMBER: RM-7WG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 908-276-3344
; TELEFAX: 908-276-5543
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 amino acids
; TYPE: amino acid
; STRANDEDNESS: N/A
; TOPOLOGY: N/A
; MOLECULE TYPE: peptide
;
; US-08-152-488-10
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/ ORIGINAL SOURCE:  
/ ORGANISM: N/A  
/ PUBLICATION INFORMATION:  
/ AUTHORS: N/A  
/ TITLE: N/A

/ PUBLICATION INFORMATION:  
/ DOCUMENT NUMBER: PCT/US92/08069  
/ FILING DATE: 14-AUG-1993  
US-08-152-488-11

Query Match 40.3%; Score 50; DB 1; Length 29;  
Best Local Similarity 52.4%; Pred. No. 1.2;  
Matches 11; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 2 EKAKNAYOKANOAVLKAKKAS 22  
Db 7 KKAKKAACKKAKKAAKKAKKAA 27

## RESULT 12

US-08-303-025-10  
; Sequence 10, Application US/08303025  
; Patent No. 5614494  
; GENERAL INFORMATION:  
; APPLICANT: Wakefield, Thomas W.  
; APPLICANT: Andrews, Philip C.  
; APPLICANT: Stanley, James C.  
; TITLE OF INVENTION: NOVEL PEPTIDES FOR HEPARIN AND  
; TITLE OF INVENTION: LOW MOLECULAR WEIGHT HEPARIN  
; TITLE OF INVENTION: ANTICOAGULATION REVERSAL  
; NUMBER OF SEQUENCES: 16  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Benita J. Rohm, Esq.  
; STREET: 150 West Jefferson, Suite 2500  
; CITY: Detroit  
; STATE: Michigan  
; COUNTRY: United States of America  
; ZIP: 48226-4415  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy diskette 3.5" 1.44Mb  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: MS-DOS v.6.22  
; SOFTWARE: Wordperfect 6.1; ASCII (DOS) Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/303,025  
; FILING DATE: 08-SEPT-1994  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US92/06829  
; FILING DATE: 14-AUG-1992  
; APPLICATION NUMBER: US 08/152,488  
; FILING DATE: 12-NOV-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Rohm, Benita J.  
; REFERENCE/DOCKET NUMBER: 7WH-060548-00231  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 313-496-8454  
; TELEFAX: 313-496-7622  
; INFORMATION FOR SEQ ID NO: 10:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 29 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: N/A  
; TOPOLOGY: N/A  
; MOLECULE TYPE: peptide  
; ORIGINAL SOURCE:  
; ORGANISM: N/A  
; PUBLICATION INFORMATION:  
; AUTHORS: N/A  
; TITLE: N/A  
; DOCUMENT NUMBER: PCT/US92/08069  
; FILING DATE: 14-AUG-1993  
US-08-303-025-10

Query Match 40.3%; Score 50; DB 1; Length 29;  
Best Local Similarity 52.4%; Pred. No. 1.2;  
Matches 11; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 2 EKAKNAYOKANOAVLKAKKAS 22  
Db 7 KKAKKAACKKAKKAAKKAKKAA 27

## RESULT 13

US-08-303-025-11  
; Sequence 11, Application US/08303025  
; Patent No. 5614494  
; GENERAL INFORMATION:  
; APPLICANT: Wakefield, Thomas W.  
; APPLICANT: Andrews, Philip C.  
; APPLICANT: Stanley, James C.  
; TITLE OF INVENTION: NOVEL PEPTIDES FOR HEPARIN AND  
; TITLE OF INVENTION: LOW MOLECULAR WEIGHT HEPARIN  
; TITLE OF INVENTION: ANTICOAGULATION REVERSAL  
; NUMBER OF SEQUENCES: 16  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Benita J. Rohm, Esq.  
; STREET: 150 West Jefferson, Suite 2500  
; CITY: Detroit  
; STATE: Michigan  
; COUNTRY: United States of America  
; ZIP: 48226-4415  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy diskette 3.5" 1.44Mb  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: MS-DOS v.6.22  
; SOFTWARE: Wordperfect 6.1; ASCII (DOS) Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/303,025  
; FILING DATE: 08-SEPT-1994  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US92/06829  
; FILING DATE: 14-AUG-1992  
; APPLICATION NUMBER: US 08/152,488  
; FILING DATE: 12-NOV-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Rohm, Benita J.  
; REFERENCE/DOCKET NUMBER: 7WH-060548-00231  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 313-496-7622  
; TELEFAX: 313-496-8454  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 29 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: N/A  
; TOPOLOGY: N/A  
; MOLECULE TYPE: peptide  
; ORIGINAL SOURCE:  
; ORGANISM: N/A  
; PUBLICATION INFORMATION:  
; AUTHORS: N/A  
; TITLE: N/A  
; DOCUMENT NUMBER: PCT/US92/08069  
; FILING DATE: 14-AUG-1993  
US-08-303-025-11

Query Match 40.3%; Score 50; DB 1; Length 29;  
Best Local Similarity 52.4%; Pred. No. 1.2;  
Matches 11; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 2 EKAKNAYOKANOAVLKAKKAS 22  
Db 7 KKAKKAACKKAKKAAKKAKKAA 27

US-08-303-025-10

Search completed: November 22, 2005, 20:26:17  
Job time : 16.7025 secs

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